

List of Refereed Publications
Wind Spacecraft: 2011

References

- [1] Abadie, J., B. P. Abbott, R. Abbott, M. Abernathy, T. Accadia, F. Acernese, C. Adams, R. Adhikari, C. Affeldt, B. Allen, and et al. (2011), Search for Gravitational Wave Bursts from Six Magnetars, *Astrophys. J. Lett.*, **734**, L35, [10.1088/2041-8205/734/2/L35](https://doi.org/10.1088/2041-8205/734/2/L35).
- [2] Abunin, A. (2011), Forbush-effects with sudden and gradual storm commencement, *Intl. Cosmic Ray Conf.*, **10**, 278, [10.7529/ICRC2011/V10/0283](https://doi.org/10.7529/ICRC2011/V10/0283).
- [3] 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, [10.1088/0004-637X/737/2/53](https://doi.org/10.1088/0004-637X/737/2/53).
- [4] Alania, M. V., R. Modzelewska, and A. Wawrzynczak (2011), On the Relationship of the 27-day Variations of the Solar Wind Velocity and Galactic Cosmic Ray Intensity in Minimum Epoch of Solar Activity, *Solar Phys.*, **270**, 629–641, [10.1007/s11207-011-9778-6](https://doi.org/10.1007/s11207-011-9778-6).
- [5] 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, [10.1016/j.pss.2010.07.021](https://doi.org/10.1016/j.pss.2010.07.021).
- [6] 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, [10.5194/angeo-29-2189-2011](https://doi.org/10.5194/angeo-29-2189-2011).
- [7] Andreeova, K., T. I. Pulkkinen, M. Palmroth, and R. McPherron (2011), Geo-efficiency of solar wind discontinuities, *J. Atmos. Solar-Terr. Phys.*, **73**, 112–122, [10.1016/j.jastp.2010.03.006](https://doi.org/10.1016/j.jastp.2010.03.006).
- [8] 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, [10.1051/0004-6361/201117885](https://doi.org/10.1051/0004-6361/201117885).
- [9] Baker, D. N., D. Odstrcil, B. J. Anderson, C. N. Arge, M. Benna, G. Gloeckler, H. Korth, L. R. Mayer, J. M. Raines, D. Schriver, J. A. Slavin, S. C. Solomon, P. M. Trávníček, and T. H. Zurbuchen (2011), The space environment of Mercury at the times of the second and third MESSENGER flybys, *Planet. Space Sci.*, **59**, 2066–2074, [10.1016/j.pss.2011.01.018](https://doi.org/10.1016/j.pss.2011.01.018).
- [10] Balcerak, E. (2011), Explaining the cause of asymmetry in the electron foreshock, *EOS Trans.*, **92**, 324–324, [10.1029/2011EO380012](https://doi.org/10.1029/2011EO380012).
- [11] Balikhin, M. A., R. J. Boynton, S. N. Walker, J. E. Borovsky, S. A. Billings, and H. L. Wei (2011), Using the NARMAX approach to model the evolution of energetic electrons fluxes at geostationary orbit, *Geophys. Res. Lett.*, **38**, L18105, [10.1029/2011GL048980](https://doi.org/10.1029/2011GL048980).
- [12] Balogh, A., and G. Erdős (2011), The Heliospheric Magnetic Field, *Space Sci. Rev.*, p. 309, [10.1007/s11214-011-9835-3](https://doi.org/10.1007/s11214-011-9835-3).

List of Refereed Publications
Wind Spacecraft: 2011

- [13] 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.
- [14] 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, [10.1051/0004-6361/201117290](https://doi.org/10.1051/0004-6361/201117290).
- [15] 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, [10.1016/j.jastp.2010.10.014](https://doi.org/10.1016/j.jastp.2010.10.014).
- [16] 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, [10.1029/2010JA016007](https://doi.org/10.1029/2010JA016007).
- [17] 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, [10.1088/2041-8205/741/1/L19](https://doi.org/10.1088/2041-8205/741/1/L19).
- [18] Boynton, R. J., M. A. Balikhin, S. A. Billings, H. L. Wei, and N. Ganushkina (2011), Using the NARMAX OLS-ERR algorithm to obtain the most influential coupling functions that affect the evolution of the magnetosphere, *J. Geophys. Res.*, **116**, A05218, [10.1029/2010JA015505](https://doi.org/10.1029/2010JA015505).
- [19] Boynton, R. J., M. A. Balikhin, S. A. Billings, A. S. Sharma, and O. A. Amariutei (2011), Data derived NARMAX Dst model, *Ann. Geophys.*, **29**, 965–971, [10.5194/angeo-29-965-2011](https://doi.org/10.5194/angeo-29-965-2011).
- [20] 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, [10.1007/s10686-011-9239-0](https://doi.org/10.1007/s10686-011-9239-0).
- [21] Bristow, W. A., J. Spaleta, and R. T. Parris (2011), First observations of ionospheric irregularities and flows over the south geomagnetic pole from the Super Dual Auroral Radar Network (SuperDARN) HF radar at McMurdo Station, Antarctica, *J. Geophys. Res.*, **116**, A12325, [10.1029/2011JA016834](https://doi.org/10.1029/2011JA016834).
- [22] Cai, X., J.-C. Zhang, C. R. Clauer, and M. W. Liemohn (2011), Relationship between sawtooth events and magnetic storms, *J. Geophys. Res.*, **116**, A07208, [10.1029/2010JA016310](https://doi.org/10.1029/2010JA016310).
- [23] 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

List of Refereed Publications
Wind Spacecraft: 2011

- electron auroral emission at ~ 16 MLT during a large substorm, *J. Geophys. Res.*, **116**, A07,215, [10.1029/2010JA016132](https://doi.org/10.1029/2010JA016132).
- [24] 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, [10.1088/0004-637X/732/1/29](https://doi.org/10.1088/0004-637X/732/1/29).
- [25] Chauhan, M. L. (2011), Study of large forrush decrease events of solar cycle 23rd, *Intl. Cosmic Ray Conf.*, **10**, 261, [10.7529/ICRC2011/V10/0097](https://doi.org/10.7529/ICRC2011/V10/0097).
- [26] Chauhan, M. L. (2011), Space weather application of forrush decrease events, *Intl. Cosmic Ray Conf.*, **10**, 267, [10.7529/ICRC2011/V10/0155](https://doi.org/10.7529/ICRC2011/V10/0155).
- [27] Chincarini, G., and R. Margutti (2011), Swift Highlights and Flares (back to the Drawing BOARD?), *Int. J. Mod. Phys. D*, **20**, 1733–1743, [10.1142/S0218271811019815](https://doi.org/10.1142/S0218271811019815).
- [28] Chollet, E. E., and J. Giacalone (2011), Evidence of Confinement of Solar-energetic Particles to Interplanetary Magnetic Field Lines, *Astrophys. J.*, **728**, 64, [10.1088/0004-637X/728/1/64](https://doi.org/10.1088/0004-637X/728/1/64).
- [29] Clausen, L. B. N., J. B. H. Baker, J. M. Ruohoniemi, and H. J. Singer (2011), ULF wave characteristics at geosynchronous orbit during the recovery phase of geomagnetic storms associated with strong electron acceleration, *J. Geophys. Res.*, **116**, A09203, [10.1029/2011JA016666](https://doi.org/10.1029/2011JA016666).
- [30] Cliver, E. W., and A. G. Ling (2011), The Floor in the Solar Wind Magnetic Field Revisited, *Solar Phys.*, **274**, 285–301, [10.1007/s11207-010-9657-6](https://doi.org/10.1007/s11207-010-9657-6).
- [31] 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, [10.1016/j.pss.2010.12.010](https://doi.org/10.1016/j.pss.2010.12.010).
- [32] Connick, D. E., C. W. Smith, and N. A. Schwadron (2011), Interplanetary Magnetic Flux Depletion During Protracted Solar Minima, *Astrophys. J.*, **727**, 8, [10.1088/0004-637X/727/1/8](https://doi.org/10.1088/0004-637X/727/1/8).
- [33] Corsi, A., E. O. Ofek, D. A. Frail, D. Poznanski, I. Arcavi, A. Gal-Yam, S. R. Kulkarni, K. Hurley, P. A. Mazzali, D. A. Howell, M. M. Kasliwal, Y. Green, D. Murray, M. Sullivan, D. Xu, S. Ben-ami, J. S. Bloom, S. B. Cenko, N. M. Law, P. Nugent, R. M. Quimby, V. Pal’shin, J. Cummings, V. Connaughton, K. Yamaoka, A. Rau, W. Boynton, I. Mitrofanov, and J. Goldsten (2011), PTF 10bzf (SN 2010ah): A Broad-line Ic Supernova Discovered by the Palomar Transient Factory, *Astrophys. J.*, **741**, 76, [10.1088/0004-637X/741/2/76](https://doi.org/10.1088/0004-637X/741/2/76).

List of Refereed Publications
Wind Spacecraft: 2011

- [34] Cremades, H., C. H. Mandrini, and S. Dasso (2011), Coronal Transient Events During Two Solar Minima: Their Solar Source Regions and Interplanetary Counterparts, *Solar Phys.*, **274**, 233–249, [10.1007/s11207-011-9769-7](https://doi.org/10.1007/s11207-011-9769-7).
- [35] D’Amicis, R., R. Bruno, and B. Bavassano (2011), Response of the geomagnetic activity to solar wind turbulence during solar cycle 23, *J. Atmos. Solar-Terr. Phys.*, **73**, 653–657, [10.1016/j.jastp.2011.01.012](https://doi.org/10.1016/j.jastp.2011.01.012).
- [36] 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, [10.1029/2010SW000620](https://doi.org/10.1029/2010SW000620).
- [37] 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, [10.1029/2010JA015863](https://doi.org/10.1029/2010JA015863).
- [38] de Toma, G. (2011), Evolution of Coronal Holes and Implications for High-Speed Solar Wind During the Minimum Between Cycles 23 and 24, *Solar Phys.*, **274**, 195–217, [10.1007/s11207-010-9677-2](https://doi.org/10.1007/s11207-010-9677-2).
- [39] 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, [10.1088/0004-637X/738/1/103](https://doi.org/10.1088/0004-637X/738/1/103).
- [40] 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, [10.1016/j.jastp.2010.08.003](https://doi.org/10.1016/j.jastp.2010.08.003).
- [41] Du, Z. L. (2011), The correlation between solar and geomagnetic activity - Part 1: Two-term decomposition of geomagnetic activity, *Ann. Geophys.*, **29**, 1331–1340, [10.5194/angeo-29-1331-2011](https://doi.org/10.5194/angeo-29-1331-2011).
- [42] 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, [10.1016/j.pss.2010.06.014](https://doi.org/10.1016/j.pss.2010.06.014).
- [43] 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, [10.1007/s10712-010-9106-y](https://doi.org/10.1007/s10712-010-9106-y).
- [44] 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.

List of Refereed Publications
Wind Spacecraft: 2011

- [45] Falkenberg, T. V., S. Vennerstrom, D. A. Brain, G. Delory, and A. Taktakishvili (2011), Multipoint observations of coronal mass ejection and solar energetic particle events on Mars and Earth during November 2001, *J. Geophys. Res.*, **116**, A06104, [10.1029/2010JA016279](https://doi.org/10.1029/2010JA016279).
- [46] Farrugia, C. J., and F. T. Gratton (2011), Aspects of magnetopause/magnetosphere response to interplanetary discontinuities, and features of magnetopause Kelvin-Helmholtz waves, *J. Atmos. Solar-Terr. Phys.*, **73**, 40–51, [10.1016/j.jastp.2009.10.008](https://doi.org/10.1016/j.jastp.2009.10.008).
- [47] Farrugia, C. J., L.-J. Chen, R. B. Torbert, D. J. Southwood, S. W. H. Cowley, A. Vrublevskis, 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, [10.1029/2010JA015495](https://doi.org/10.1029/2010JA015495).
- [48] 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°) in situ observations of a magnetic cloud and a corotating interaction region complex, *J. Atmos. Solar-Terr. Phys.*, **73**, 1254–1269, [10.1016/j.jastp.2010.09.011](https://doi.org/10.1016/j.jastp.2010.09.011).
- [49] 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, [10.1051/0004-6361/201014473](https://doi.org/10.1051/0004-6361/201014473).
- [50] 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, [10.1007/s11207-011-9814-6](https://doi.org/10.1007/s11207-011-9814-6).
- [51] Feng, X., S. Zhang, C. Xiang, L. Yang, C. Jiang, and S. T. Wu (2011), A Hybrid Solar Wind Model of the CESE+HLL Method with a Yin-Yang Overset Grid and an AMR Grid, *Astrophys. J.*, **734**, 50, [10.1088/0004-637X/734/1/50](https://doi.org/10.1088/0004-637X/734/1/50).
- [52] Feynman, J., and A. Ruzmaikin (2011), The Sun’s Strange Behavior: Maunder Minimum or Gleissberg Cycle?, *Solar Phys.*, **272**, 351–363, [10.1007/s11207-011-9828-0](https://doi.org/10.1007/s11207-011-9828-0).
- [53] 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, [10.1088/0004-637X/743/2/190](https://doi.org/10.1088/0004-637X/743/2/190).
- [54] Fouka, M., and S. Ouichaoui (2011), Spectral analysis of time-integrated Konus-Wind GRBs: Implication on radiative mechanisms, *Adv. Space Res.*, **47**, 1387–1403, [10.1016/j.asr.2010.08.006](https://doi.org/10.1016/j.asr.2010.08.006).
- [55] Foullon, 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, [10.1088/0004-637X/737/1/16](https://doi.org/10.1088/0004-637X/737/1/16).

List of Refereed Publications
Wind Spacecraft: 2011

- [56] Frissell, N. A., J. B. H. Baker, J. M. Ruohoniemi, L. B. N. Clausen, Z. C. Kale, I. J. Rae, L. Kepko, K. Oksavik, R. A. Greenwald, and M. L. West (2011), First radar observations in the vicinity of the plasmopause of pulsed ionospheric flows generated by bursty bulk flows, *Geophys. Res. Lett.*, **38**, L01103, [10.1029/2010GL045857](https://doi.org/10.1029/2010GL045857).
- [57] Fuselier, S. A., and W. S. Lewis (2011), Properties of Near-Earth Magnetic Reconnection from In-Situ Observations, *Space Sci. Rev.*, **160**, 95–121, [10.1007/s11214-011-9820-x](https://doi.org/10.1007/s11214-011-9820-x).
- [58] Gibson, S. E., G. de Toma, B. Emery, P. Riley, L. Zhao, Y. Elsworth, R. J. Leamon, J. Lei, S. McIntosh, R. A. Mewaldt, B. J. Thompson, and D. Webb (2011), The Whole Heliosphere Interval in the Context of a Long and Structured Solar Minimum: An Overview from Sun to Earth, *Solar Phys.*, **274**, 5–27, [10.1007/s11207-011-9921-4](https://doi.org/10.1007/s11207-011-9921-4).
- [59] Gillies, D. M., K. A. McWilliams, J.-P. St. Maurice, and S. E. Milan (2011), Global-scale observations of ionospheric convection during geomagnetic storms, *J. Geophys. Res.*, **116**, A12238, [10.1029/2011JA017086](https://doi.org/10.1029/2011JA017086).
- [60] Gopalswamy, N., and P. Mäkelä (2011), Low-frequency type III radio bursts and solar energetic particle events, *Central European Astrophys. Bull.*, **35**, 71–82.
- [61] Gosling, J. T. (2011), Magnetic Reconnection in the Solar Wind, *Space Sci. Rev.*, p. 104, [10.1007/s11214-011-9747-2](https://doi.org/10.1007/s11214-011-9747-2).
- [62] Gosling, J. T., H. Tian, and T. D. Phan (2011), Pulsed Alfvén Waves in the Solar Wind, *Astrophys. J. Lett.*, **737**, L35, [10.1088/2041-8205/737/2/L35](https://doi.org/10.1088/2041-8205/737/2/L35).
- [63] Göğüş, E., P. M. Woods, C. Kouveliotou, M. H. Finger, V. Pal'shin, Y. Kaneko, S. Golenetskii, D. Frederiks, and C. Airhart (2011), Extended Tails from SGR 1806-20 Bursts, *Astrophys. J.*, **740**, 55, [10.1088/0004-637X/740/2/55](https://doi.org/10.1088/0004-637X/740/2/55).
- [64] Gratton, F. T., L. E. Bilbao, G. Gnani, and C. J. Farrugia (2011), The Magnetosphere Mixing Layer: Observations, MHD Stability, and Large Eddy Simulations, *J. Phys. Conf. Ser.*, **296**, 012,006, [10.1088/1742-6596/296/1/012006](https://doi.org/10.1088/1742-6596/296/1/012006).
- [65] Guo, J. (2011), The Effects of Relative Drift Velocities Between Proton and He²⁺ on the Magnetic Spectral Signatures in the Plasma Depletion Layer, *Plasma Sci. Tech.*, **13**, 557–560, [10.1088/1009-0630/13/5/09](https://doi.org/10.1088/1009-0630/13/5/09).
- [66] 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, [10.1016/j.jastp.2010.01.010](https://doi.org/10.1016/j.jastp.2010.01.010).
- [67] 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, [10.1007/s11214-010-9738-8](https://doi.org/10.1007/s11214-010-9738-8).

List of Refereed Publications
Wind Spacecraft: 2011

- [68] 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, [10.1007/s11214-010-9705-4](https://doi.org/10.1007/s11214-010-9705-4).
- [69] 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, [10.1016/j.pss.2010.06.002](https://doi.org/10.1016/j.pss.2010.06.002).
- [70] Harris, B. (2011), Observational aspects of IMF draping around the magnetosphere, Master's thesis, University of New Hampshire, advisor: C.J. Farrugia.
- [71] He, H.-Q., and G. Qin (2011), A Simple Analytical Method to Determine Solar Energetic Particles' Mean Free Path, *Astrophys. J.*, **730**, 46, [10.1088/0004-637X/730/1/46](https://doi.org/10.1088/0004-637X/730/1/46).
- [72] Hidalgo, M. A. (2011), A study of the electric field induced by magnetic clouds, *J. Geophys. Res.*, **116**, A02101, [10.1029/2010JA016048](https://doi.org/10.1029/2010JA016048).
- [73] 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, [10.1016/j.jastp.2011.02.017](https://doi.org/10.1016/j.jastp.2011.02.017).
- [74] Hietala, H., N. Agueda, K. Andréevová, 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, [10.1029/2011JA016669](https://doi.org/10.1029/2011JA016669).
- [75] 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, [10.1007/s11207-011-9872-9](https://doi.org/10.1007/s11207-011-9872-9).
- [76] Hosokawa, K., J. I. Moen, K. Shiokawa, and Y. Otsuka (2011), Motion of polar cap arcs, *J. Geophys. Res.*, **116**, A01305, [10.1029/2010JA015906](https://doi.org/10.1029/2010JA015906).
- [77] Howard, T. A. (2011), Three-dimensional reconstruction of coronal mass ejections using heliospheric imager data, *J. Atmos. Solar-Terr. Phys.*, **73**, 1242–1253, [10.1016/j.jastp.2010.08.009](https://doi.org/10.1016/j.jastp.2010.08.009).
- [78] 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, [10.1088/0004-637X/729/2/107](https://doi.org/10.1088/0004-637X/729/2/107).
- [79] Hurley, K., J.-L. Atteia, C. Barraud, A. Pélangéon, M. Boër, R. Vanderspek, G. Ricker, E. Mazets, S. Golenetskii, D. D. Frederiks, V. D. Pal'shin, R. L. Aptekar, D. M. Smith, C. Wigger, W. Hajdas, A. Rau, A. von Kienlin, I. G. Mitrofanov, D. V. Golovin, A. S. Kozyrev, M. L. Litvak, A. B. Sanin, W. Boynton, C. Fellows, K. Harshman, S. Barthelmy, T. Cline, J. Cummings, N. Gehrels, H. A. Krimm, K. Yamaoka, Y. Fukazawa, Y. Hanabata, M. Ohno, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima,

List of Refereed Publications
Wind Spacecraft: 2011

- C. Guidorzi, F. Frontera, C. E. Montanari, F. Rossi, J. Trombka, T. McClanahan, R. Starr, J. Goldsten, and R. Gold (2011), The Interplanetary Network Supplement to the HETE-2 Gamma-Ray Burst Catalog, *Astrophys. J. Suppl.*, **197**, 34, [10.1088/0067-0049/197/2/34](https://doi.org/10.1088/0067-0049/197/2/34).
- [80] Hurley, K., S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, I. G. Mitrofanov, D. Golovin, A. Kozyrev, M. Litvak, A. B. Sanin, W. Boynton, C. Fellows, K. Harshman, R. Starr, A. von Kienlin, A. Rau, K. Yamaoka, M. Ohno, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm, T. Cline, J. Goldsten, E. Del Monte, M. Feroci, M. Marisaldi, M. Briggs, V. Connaughton, C. Meegan, D. M. Smith, C. Wigger, and W. Hajdas (2011), The Third Interplanetary Network, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 1358, edited by J. E. McEnery, J. L. Racusin, and N. Gehrels, pp. 385–388, [10.1063/1.3621810](https://doi.org/10.1063/1.3621810).
- [81] Hutchinson, J. A., D. M. Wright, and S. E. Milan (2011), Geomagnetic storms over the last solar cycle: A superposed epoch analysis, *J. Geophys. Res.*, **116**, A09211, [10.1029/2011JA016463](https://doi.org/10.1029/2011JA016463).
- [82] Hwang, K.-J., M. M. Kuznetsova, F. Sahraoui, M. L. Goldstein, E. Lee, and G. K. Parks (2011), Kelvin-Helmholtz waves under southward interplanetary magnetic field, *J. Geophys. Res.*, **116**, A08210, [10.1029/2011JA016596](https://doi.org/10.1029/2011JA016596).
- [83] 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, [10.1051/0004-6361/201117255](https://doi.org/10.1051/0004-6361/201117255).
- [84] 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, [10.1007/s11207-011-9845-z](https://doi.org/10.1007/s11207-011-9845-z).
- [85] 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, [10.1134/S0016793211040037](https://doi.org/10.1134/S0016793211040037).
- [86] 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, [10.1016/j.jastp.2010.11.023](https://doi.org/10.1016/j.jastp.2010.11.023).
- [87] 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 TEC changes associated with a sudden magnetospheric compression, *Geophys. Res. Lett.*, **38**, 23,104, [10.1029/2011GL050041](https://doi.org/10.1029/2011GL050041).

List of Refereed Publications
Wind Spacecraft: 2011

- [88] 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–+, [10.1007/s11207-011-9737-2](https://doi.org/10.1007/s11207-011-9737-2).
- [89] Joshi, N. C., N. S. Bankoti, S. Pande, B. Pande, and K. Pandey (2011), Relationship between interplanetary field/plasma parameters with geomagnetic indices and their behavior during intense geomagnetic storms, *New Astron.*, **16**, 366–385, [10.1016/j.newast.2011.01.004](https://doi.org/10.1016/j.newast.2011.01.004).
- [90] Juusola, L., N. Østgaard, and E. Tanskanen (2011), Statistics of plasma sheet convection, *J. Geophys. Res.*, **116**, 8201, [10.1029/2011JA016479](https://doi.org/10.1029/2011JA016479).
- [91] 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, [10.1029/2011JA016852](https://doi.org/10.1029/2011JA016852).
- [92] Kahler, S. W., S. Krucker, and A. Szabo (2011), Solar energetic electron probes of magnetic cloud field line lengths, *J. Geophys. Res.*, **116**, 1104, [10.1029/2010JA015328](https://doi.org/10.1029/2010JA015328).
- [93] 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, [10.1007/s11214-011-9768-x](https://doi.org/10.1007/s11214-011-9768-x).
- [94] 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, [10.1088/0004-637X/736/2/106](https://doi.org/10.1088/0004-637X/736/2/106).
- [95] Kan, J. R., H. Li, C. Wang, H. U. Frey, M. V. Kubyshkina, A. Runov, C. J. Xiao, L. H. Lyu, and W. Sun (2011), Brightening of onset arc precedes the dipolarization onset: THEMIS observations of two events on 1 March 2008, *Ann. Geophys.*, **29**, 2045–2059, [10.5194/angeo-29-2045-2011](https://doi.org/10.5194/angeo-29-2045-2011).
- [96] Kaushik, S. C. (2011), An Investigation of Cosmic Ray Intensity Variation During Highly Disturbed Geomagnetic Conditions for Solar Cycle 23, *Intl. Cosmic Ray Conf.*, **10**, 121, [10.7529/ICRC2011/V10/0933](https://doi.org/10.7529/ICRC2011/V10/0933).
- [97] 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, [10.1029/2010JA015919](https://doi.org/10.1029/2010JA015919).
- [98] 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.
- [99] 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, [10.1007/s11207-011-9719-4](https://doi.org/10.1007/s11207-011-9719-4).

List of Refereed Publications
Wind Spacecraft: 2011

- [100] 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, [10.1016/j.jastp.2010.10.012](https://doi.org/10.1016/j.jastp.2010.10.012).
- [101] 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, [10.5194/angeo-29-1455-2011](https://doi.org/10.5194/angeo-29-1455-2011).
- [102] Kissinger, J., R. L. McPherron, T.-S. Hsu, and V. Angelopoulos (2011), Steady magnetospheric convection and stream interfaces: Relationship over a solar cycle, *J. Geophys. Res.*, **116**, A00I19, [10.1029/2010JA015763](https://doi.org/10.1029/2010JA015763).
- [103] 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, [10.1007/s11207-011-9710-0](https://doi.org/10.1007/s11207-011-9710-0).
- [104] Kojima, H. (2011), Rigidity dependence of the solar-wind-effect on cosmic-ray intensities associated with Solar activity, *Intl. Cosmic Ray Conf.*, **11**, 213, [10.7529/ICRC2011/V11/0982](https://doi.org/10.7529/ICRC2011/V11/0982).
- [105] Kojima, H. (2011), Estimation of 3D structures of cosmic-ray low density region behind shock waves associated with solar flares, *Intl. Cosmic Ray Conf.*, **10**, 306, [10.7529/ICRC2011/V10/0983](https://doi.org/10.7529/ICRC2011/V10/0983).
- [106] Kozai, M. (2011), Average spatial density gradient of galactic cosmic rays and its temporal variation observed with the Global Muon Detector Network (GMDN), *Intl. Cosmic Ray Conf.*, **11**, 301, [10.7529/ICRC2011/V11/0376](https://doi.org/10.7529/ICRC2011/V11/0376).
- [107] 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, [10.5194/angeo-29-613-2011](https://doi.org/10.5194/angeo-29-613-2011).
- [108] Krivosheeva, M. (2011), Relation of the Forbush-effect parameters to the heliolongitude of the solar sources, *Intl. Cosmic Ray Conf.*, **10**, 274, [10.7529/ICRC2011/V10/0282](https://doi.org/10.7529/ICRC2011/V10/0282).
- [109] Krucker, S., E. P. Kontar, S. Christe, L. Glesener, and R. P. Lin (2011), Electron Acceleration Associated with Solar Jets, *Astrophys. J.*, **742**, 82, [10.1088/0004-637X/742/2/82](https://doi.org/10.1088/0004-637X/742/2/82).
- [110] 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, [10.1007/s11207-011-9805-7](https://doi.org/10.1007/s11207-011-9805-7).
- [111] Kuwabara, T. (2011), Study of Forbush Decreases with IceTop, *Intl. Cosmic Ray Conf.*, **10**, 298, [10.7529/ICRC2011/V10/0921](https://doi.org/10.7529/ICRC2011/V10/0921).
- [112] Lakshmi, M. A., and S. Umopathy (2011), Characteristics of CMEs associated with solar flares and DH type II radio bursts based on source position, *Astrophys. Space Sci.*, p. 738, [10.1007/s10509-011-0949-6](https://doi.org/10.1007/s10509-011-0949-6).

List of Refereed Publications
Wind Spacecraft: 2011

- [113] 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, [10.1029/2011GL048874](https://doi.org/10.1029/2011GL048874).
- [114] Lazio, T. J. W., R. J. MacDowall, J. O. Burns, D. L. Jones, K. W. Weiler, L. Demaio, 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, [10.1016/j.asr.2011.07.006](https://doi.org/10.1016/j.asr.2011.07.006).
- [115] Le, G., W. J. Burke, R. F. Pfaff, H. Freudenreich, S. Maus, and H. Lühr (2011), C/NOFS measurements of magnetic perturbations in the low-latitude ionosphere during magnetic storms, *J. Geophys. Res.*, **116**, A12230, [10.1029/2011JA017026](https://doi.org/10.1029/2011JA017026).
- [116] 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, [10.1007/s11207-011-9797-3](https://doi.org/10.1007/s11207-011-9797-3).
- [117] Lee, C. O., J. G. Luhmann, J. T. Hoeksema, X. Sun, C. N. Arge, and I. de Pater (2011), Coronal Field Opens at Lower Height During the Solar Cycles 22 and 23 Minimum Periods: IMF Comparison Suggests the Source Surface Should Be Lowered, *Solar Phys.*, **269**, 367–388, [10.1007/s11207-010-9699-9](https://doi.org/10.1007/s11207-010-9699-9).
- [118] 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, [10.1016/j.jastp.2010.03.002](https://doi.org/10.1016/j.jastp.2010.03.002).
- [119] Lepping, R. P., C. C. Wu, D. B. Berdichevsky, and A. Szabo (2011), Magnetic Clouds at/near the 2007 - 2009 Solar Minimum: Frequency of Occurrence and Some Unusual Properties, *Solar Phys.*, **274**(1-2), 345–360, [10.1007/s11207-010-9646-9](https://doi.org/10.1007/s11207-010-9646-9).
- [120] 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, [10.1088/0004-637X/735/1/43](https://doi.org/10.1088/0004-637X/735/1/43).
- [121] Li, W., R. M. Thorne, J. Bortnik, Y. Nishimura, and V. Angelopoulos (2011), Modulation of whistler mode chorus waves: 1. Role of compressional Pc4-5 pulsations, *J. Geophys. Res.*, **116**, A06205, [10.1029/2010JA016312](https://doi.org/10.1029/2010JA016312).
- [122] Li, X., M. Temerin, D. N. Baker, and G. D. Reeves (2011), Behavior of MeV electrons at geosynchronous orbit during last two solar cycles, *J. Geophys. Res.*, **116**, A11207, [10.1029/2011JA016934](https://doi.org/10.1029/2011JA016934).
- [123] Li, Y., J. G. Luhmann, B. J. Lynch, and E. K. J. Kilpua (2011), Cyclic Reversal of Magnetic Cloud Poloidal Field, *Solar Phys.*, **270**, 331–346, [10.1007/s11207-011-9722-9](https://doi.org/10.1007/s11207-011-9722-9).
- [124] Lin, L., C. Kouveliotou, M. G. Baring, A. J. van der Horst, S. Guiriec, P. M. Woods, E. Göğüş, Y. Kaneko, J. Scargle, J. Granot, R. Preece, A. von Kienlin, V. Chaplin, A. L. Watts, R. A. M. J. Wijers, S. N. Zhang, N. Bhat, M. H. Finger, N. Gehrels, A. Harding,

List of Refereed Publications
Wind Spacecraft: 2011

- L. Kaper, V. Kaspi, J. Mcenery, C. A. Meegan, W. S. Paciesas, A. Pe'er, E. Ramirez-Ruiz, M. van der Klis, S. Wachter, and C. Wilson-Hodge (2011), Fermi/Gamma-Ray Burst Monitor Observations of SGR J0501+4516 Bursts, *Astrophys. J.*, **739**, 87, [10.1088/0004-637X/739/2/87](https://doi.org/10.1088/0004-637X/739/2/87).
- [125] Lin, R. P. (2011), Energy Release and Particle Acceleration in Flares: Summary and Future Prospects, *Space Sci. Rev.*, **159**, 421–445, [10.1007/s11214-011-9801-0](https://doi.org/10.1007/s11214-011-9801-0).
- [126] 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, [10.1088/1674-4527/11/10/009](https://doi.org/10.1088/1674-4527/11/10/009).
- [127] Liu, W., T. E. Sarris, X. Li, Q.-G. Zong, R. Ergun, V. Angelopoulos, and K. H. Glassmeier (2011), Spatial structure and temporal evolution of a dayside poloidal ULF wave event, *Geophys. Res. Lett.*, **38**, L19104, [10.1029/2011GL049476](https://doi.org/10.1029/2011GL049476).
- [128] 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, [10.1088/0004-637X/734/2/84](https://doi.org/10.1088/0004-637X/734/2/84).
- [129] 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, [10.1029/2010GL046215](https://doi.org/10.1029/2010GL046215).
- [130] Lukianova, R., and A. Kozlovsky (2011), IMF B_y effects in the plasma flow at the polar cap boundary, *Ann. Geophys.*, **29**, 1305–1315, [10.5194/angeo-29-1305-2011](https://doi.org/10.5194/angeo-29-1305-2011).
- [131] 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, [10.1029/2011JA016683](https://doi.org/10.1029/2011JA016683).
- [132] 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.
- [133] Manuel, R. (2011), Long-term galactic cosmic ray modulation in the heliosphere, *Intl. Cosmic Ray Conf.*, **11**, 22, [10.7529/ICRC2011/V11/0092](https://doi.org/10.7529/ICRC2011/V11/0092).
- [134] Manuel, R., S. E. S. Ferreira, M. S. Potgieter, R. D. Strauss, and N. E. Engelbrecht (2011), Time-dependent cosmic ray modulation, *Adv. Space Res.*, **47**, 1529–1537, [10.1016/j.asr.2010.12.007](https://doi.org/10.1016/j.asr.2010.12.007).
- [135] Manuel, R., S. E. S. Ferreira, and M. S. Potgieter (2011), Cosmic ray modulation in the outer heliosphere: Predictions for cosmic ray intensities up to the heliopause along Voyager 1 and 2 trajectories, *Adv. Space Res.*, **48**, 874–883, [10.1016/j.asr.2011.04.015](https://doi.org/10.1016/j.asr.2011.04.015).
- [136] 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, [10.1103/PhysRevLett.107.201101](https://doi.org/10.1103/PhysRevLett.107.201101).

List of Refereed Publications
Wind Spacecraft: 2011

- [137] Matsumura, C., Y. Miyoshi, K. Seki, S. Saito, V. Angelopoulos, and J. Koller (2011), Outer radiation belt boundary location relative to the magnetopause: Implications for magnetopause shadowing, *J. Geophys. Res.*, **116**, A06212, [10.1029/2011JA016575](https://doi.org/10.1029/2011JA016575).
- [138] 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, [10.1007/s11214-011-9774-z](https://doi.org/10.1007/s11214-011-9774-z).
- [139] 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, [10.1029/2010JA015872](https://doi.org/10.1029/2010JA015872).
- [140] McComas, D. J., M. A. Dayeh, H. O. Funsten, S. A. Fuselier, J. Goldstein, J.-M. Jahn, P. Janzen, D. G. Mitchell, S. M. Petrinec, D. B. Reisenfeld, and N. A. Schwadron (2011), First IBEX observations of the terrestrial plasma sheet and a possible disconnection event, *J. Geophys. Res.*, **116**, A02211, [10.1029/2010JA016138](https://doi.org/10.1029/2010JA016138).
- [141] McGregor, S. L., W. J. Hughes, C. N. Arge, M. J. Owens, and D. Odstrcil (2011), The distribution of solar wind speeds during solar minimum: Calibration for numerical solar wind modeling constraints on the source of the slow solar wind, *J. Geophys. Res.*, **116**, A03101, [10.1029/2010JA015881](https://doi.org/10.1029/2010JA015881).
- [142] 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, [10.1088/2041-8205/740/1/L23](https://doi.org/10.1088/2041-8205/740/1/L23).
- [143] Meziane, K., A. M. Hamza, M. Wilber, M. A. Lee, C. Mazelle, E. A. Lucek, and T. Hada (2011), Specular refraction at a non-stationary shock: A simple model, *Planet. Space Sci.*, **59**, 495–501, [10.1016/j.pss.2010.10.016](https://doi.org/10.1016/j.pss.2010.10.016).
- [144] 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, [10.1016/j.asr.2011.05.029](https://doi.org/10.1016/j.asr.2011.05.029).
- [145] Miyoshi, Y., and R. Kataoka (2011), Solar cycle variations of outer radiation belt and its relationship to solar wind structure dependences, *J. Atmos. Solar-Terr. Phys.*, **73**, 77–87, [10.1016/j.jastp.2010.09.031](https://doi.org/10.1016/j.jastp.2010.09.031).
- [146] Mohamed, A. (2011), Some aspects of solar activity and their impact on space environment near Earth, Ph.D. thesis, University of Sydney, Australia, advisor: Iver Cairns.
- [147] Morabito, D. D., O. P. Verkhoglyadova, D. Han, and J. E. Riedel (2011), The effects of earthward directed interplanetary coronal mass ejections on near-Earth S band signal links, *Radio Sci.*, **46**, RS6001, [10.1029/2011RS004718](https://doi.org/10.1029/2011RS004718).

List of Refereed Publications
Wind Spacecraft: 2011

- [148] 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, [10.1088/0004-637X/741/1/34](https://doi.org/10.1088/0004-637X/741/1/34).
- [149] 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, [10.1029/2010JA016206](https://doi.org/10.1029/2010JA016206).
- [150] Mozer, F. S., and P. L. Pritchett (2011), Electron Physics of Asymmetric Magnetic Field Reconnection, *Space Sci. Rev.*, **158**, 119–143, [10.1007/s11214-010-9681-8](https://doi.org/10.1007/s11214-010-9681-8).
- [151] Mursula, K., and I. Virtanen (2011), The last dance of the bashful ballerina?, *Astron. & Astrophys.*, **525**, L12, [10.1051/0004-6361/200913975](https://doi.org/10.1051/0004-6361/200913975).
- [152] 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, [10.1007/s10509-010-0428-5](https://doi.org/10.1007/s10509-010-0428-5).
- [153] Nakai, H., and G. Ueno (2011), Plasma structures of Kelvin-Helmholtz billows at the duskside flank of the magnetotail, *J. Geophys. Res.*, **116**, A08212, [10.1029/2010JA016286](https://doi.org/10.1029/2010JA016286).
- [154] 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, [10.1051/0004-6361/201015853](https://doi.org/10.1051/0004-6361/201015853).
- [155] 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, [10.1051/0004-6361/201116799](https://doi.org/10.1051/0004-6361/201116799).
- [156] 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, [10.1016/j.pss.2011.01.002](https://doi.org/10.1016/j.pss.2011.01.002).
- [157] 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, [10.1016/j.pss.2010.03.011](https://doi.org/10.1016/j.pss.2010.03.011).
- [158] 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, [10.1109/URSIGASS.2011.6051091](https://doi.org/10.1109/URSIGASS.2011.6051091).

List of Refereed Publications
Wind Spacecraft: 2011

- [159] Nishiyama, T., T. Sakanoi, Y. Miyoshi, Y. Katoh, K. Asamura, S. Okano, and M. Hirahara (2011), The source region and its characteristic of pulsating aurora based on the Reimei observations, *J. Geophys. Res.*, **116**, A03226, [10.1029/2010JA015507](https://doi.org/10.1029/2010JA015507).
- [160] 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, [10.1016/j.jastp.2010.05.017](https://doi.org/10.1016/j.jastp.2010.05.017).
- [161] Obridko, V. N., B. D. Shelting, and I. M. Livshits (2011), Open magnetic fields on the Sun and solar wind parameters at the Earth's orbit, *Astron. Rep.*, **55**, 284–291, [10.1134/S1063772911030048](https://doi.org/10.1134/S1063772911030048).
- [162] 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, [10.1109/RAST.2011.5966904](https://doi.org/10.1109/RAST.2011.5966904).
- [163] 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, [10.1088/2041-8205/727/1/L11](https://doi.org/10.1088/2041-8205/727/1/L11).
- [164] Østgaard, N., K. M. Laundal, L. Juusola, A. Åsnes, S. E. Håland, and J. M. Weygand (2011), Interhemispherical asymmetry of substorm onset locations and the interplanetary magnetic field, *Geophys. Res. Lett.*, **38**, L08104, [10.1029/2011GL046767](https://doi.org/10.1029/2011GL046767).
- [165] Owens, M. J., M. Lockwood, L. Barnard, and C. J. Davis (2011), Solar cycle 24: Implications for energetic particles and long-term space climate change, *Geophys. Res. Lett.*, **38**, L19106, [10.1029/2011GL049328](https://doi.org/10.1029/2011GL049328).
- [166] 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, [10.1063/1.3598106](https://doi.org/10.1063/1.3598106).
- [167] 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.
- [168] Parashar, K. K. (2011), Interplanetary Transient Solar Wind Plasma Structures and Associated Cosmic Ray Intensity, *Intl. Cosmic Ray Conf.*, **11**, 408, [10.7529/ICRC2011/V11/1012](https://doi.org/10.7529/ICRC2011/V11/1012).
- [169] Peng, Z., C. Wang, Y. Q. Hu, J. R. Kan, and Y. F. Yang (2011), Simulations of observed auroral brightening caused by solar wind dynamic pressure enhancements under different interplanetary magnetic field conditions, *J. Geophys. Res.*, **116**, A06217, [10.1029/2010JA016318](https://doi.org/10.1029/2010JA016318).
- [170] 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, [10.1029/2010JA016357](https://doi.org/10.1029/2010JA016357).

List of Refereed Publications
Wind Spacecraft: 2011

- [171] Pierrard, V. (2011), Solar Wind Electron Transport: Interplanetary Electric Field and Heat Conduction, *Space Sci. Rev.*, p. 100, [10.1007/s11214-011-9743-6](https://doi.org/10.1007/s11214-011-9743-6).
- [172] 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, [10.1007/s11207-010-9700-7](https://doi.org/10.1007/s11207-010-9700-7).
- [173] 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, [10.5194/angeo-29-299-2011](https://doi.org/10.5194/angeo-29-299-2011).
- [174] Podesta, J. J. (2011), On the energy cascade rate of solar wind turbulence in high cross helicity flows, *J. Geophys. Res.*, **116**, 5101, [10.1029/2010JA016306](https://doi.org/10.1029/2010JA016306).
- [175] Pulkkinen, T. I., E. I. Tanskanen, A. Viljanen, N. Partamies, and K. Kauristie (2011), Auroral electrojets during deep solar minimum at the end of solar cycle 23, *J. Geophys. Res.*, **116**, A04207, [10.1029/2010JA016098](https://doi.org/10.1029/2010JA016098).
- [176] Puluha, 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, [10.1029/2011GL048029](https://doi.org/10.1029/2011GL048029).
- [177] 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, [10.1088/0004-637X/738/1/28](https://doi.org/10.1088/0004-637X/738/1/28).
- [178] 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, [10.1088/0004-637X/728/1/42](https://doi.org/10.1088/0004-637X/728/1/42).
- [179] Reeves, G. D., S. K. Morley, R. H. W. Friedel, M. G. Henderson, T. E. Cayton, G. Cunningham, J. B. Blake, R. A. Christensen, and D. Thomsen (2011), On the relationship between relativistic electron flux and solar wind velocity: Paulikas and Blake revisited, *J. Geophys. Res.*, **116**, A02213, [10.1029/2010JA015735](https://doi.org/10.1029/2010JA015735).
- [180] 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, [10.1080/01431161.2010.541514](https://doi.org/10.1080/01431161.2010.541514).
- [181] 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, [10.1007/s11207-011-9774-x](https://doi.org/10.1007/s11207-011-9774-x).
- [182] Richardson, I. G., and H. V. Cane (2011), Geoeffectiveness (Dst and Kp) of interplanetary coronal mass ejections during 1995-2009 and implications for storm forecasting, *Space Weather*, **9**, S07005, [10.1029/2011SW000670](https://doi.org/10.1029/2011SW000670).

List of Refereed Publications
Wind Spacecraft: 2011

- [183] Richardson, J. D., and C. Wang (2011), Plasma in the Heliosheath: 3.5 Years of Observations, *Astrophys. J. Lett.*, **734**, L21, [10.1088/2041-8205/734/1/L21](https://doi.org/10.1088/2041-8205/734/1/L21).
- [184] Riley, P., R. Lionello, J. A. Linker, Z. Mikic, J. Luhmann, and J. Wijaya (2011), Global MHD Modeling of the Solar Corona and Inner Heliosphere for the Whole Heliosphere Interval, *Solar Phys.*, **274**, 361–377, [10.1007/s11207-010-9698-x](https://doi.org/10.1007/s11207-010-9698-x).
- [185] 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, [10.1007/s11207-011-9784-8](https://doi.org/10.1007/s11207-011-9784-8).
- [186] 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, [10.1016/j.jastp.2010.08.015](https://doi.org/10.1016/j.jastp.2010.08.015).
- [187] 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, [10.1088/0004-637X/734/1/7](https://doi.org/10.1088/0004-637X/734/1/7).
- [188] 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, [10.1088/0004-637X/735/1/7](https://doi.org/10.1088/0004-637X/735/1/7).
- [189] Sabbah, I., and K. Kudela (2011), Third harmonic of the 27 day periodicity of galactic cosmic rays: Coupling with interplanetary parameters, *J. Geophys. Res.*, **116**, A04103, [10.1029/2010JA015922](https://doi.org/10.1029/2010JA015922).
- [190] 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–.
- [191] Sauvaud, J.-A., A. Opitz, L. Palin, B. Lavraud, C. Jacquy, L. Kistler, H. U. Frey, J. Luhmann, D. Larson, and C. T. Russell (2011), Far tail ($255 R_E$) fast response to very weak magnetic activity, *J. Geophys. Res.*, **116**, A03215, [10.1029/2010JA016077](https://doi.org/10.1029/2010JA016077).
- [192] 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, [10.1029/2011GL049362](https://doi.org/10.1029/2011GL049362).
- [193] 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, [10.1103/PhysRevLett.107.201102](https://doi.org/10.1103/PhysRevLett.107.201102).

List of Refereed Publications
Wind Spacecraft: 2011

- [194] 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, [10.1029/2011GL049578](https://doi.org/10.1029/2011GL049578).
- [195] Schwadron, N. A., H. E. Spence, and R. Came (2011), Does the space environment affect the ecosphere?, *EOS Trans.*, **92**, 297–298, [10.1029/2011EO360001](https://doi.org/10.1029/2011EO360001).
- [196] 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, [10.1088/0004-637X/739/1/9](https://doi.org/10.1088/0004-637X/739/1/9).
- [197] 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, [10.1063/1.3544334](https://doi.org/10.1063/1.3544334).
- [198] Shrivastava, A. (2011), Interplanetary Transient flows and Associated Forbush Decrease, *Intl. Cosmic Ray Conf.*, **10**, 302, [10.7529/ICRC2011/V10/0934](https://doi.org/10.7529/ICRC2011/V10/0934).
- [199] Smith, E. J. (2011), Solar cycle evolution of the heliospheric magnetic field: The Ulysses legacy, *J. Atmos. Solar-Terr. Phys.*, **73**, 277–289, [10.1016/j.jastp.2010.03.019](https://doi.org/10.1016/j.jastp.2010.03.019).
- [200] Spangler, S. R., A. H. Savage, and S. Redfield (2011), Properties of Turbulence in the Very Local Interstellar Clouds, *Astrophys. J.*, **742**, 30, [10.1088/0004-637X/742/1/30](https://doi.org/10.1088/0004-637X/742/1/30).
- [201] Steed, K., C. J. Owen, P. Démoulin, and S. Dasso (2011), Investigating the observational signatures of magnetic cloud substructure, *J. Geophys. Res.*, **116**, 1106, [10.1029/2010JA015940](https://doi.org/10.1029/2010JA015940).
- [202] Sun, X., Y. Liu, J. T. Hoeksema, K. Hayashi, and X. Zhao (2011), A New Method for Polar Field Interpolation, *Solar Phys.*, **270**, 9–22, [10.1007/s11207-011-9751-4](https://doi.org/10.1007/s11207-011-9751-4).
- [203] Svalgaard, L. (2011), Geomagnetic semiannual variation is not overestimated and is not an artifact of systematic solar hemispheric asymmetry, *Geophys. Res. Lett.*, **38**, L16107, [10.1029/2011GL048616](https://doi.org/10.1029/2011GL048616).
- [204] 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, [10.1088/0004-637X/728/2/133](https://doi.org/10.1088/0004-637X/728/2/133).
- [205] 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, [10.1029/2010JA016226](https://doi.org/10.1029/2010JA016226).

List of Refereed Publications
Wind Spacecraft: 2011

- [206] 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, [10.1007/s11207-011-9746-1](https://doi.org/10.1007/s11207-011-9746-1).
- [207] 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, [10.1088/0004-637X/743/2/101](https://doi.org/10.1088/0004-637X/743/2/101).
- [208] Thatcher, L. J., and H.-R. Müller (2011), Statistical investigation of hourly OMNI solar wind data, *J. Geophys. Res.*, **116**, A12107, [10.1029/2011JA017027](https://doi.org/10.1029/2011JA017027).
- [209] 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, [10.1088/0004-637X/734/1/16](https://doi.org/10.1088/0004-637X/734/1/16).
- [210] Tkachenko, O., J. Šafránková, Z. Němeček, and D. G. Sibeck (2011), Dayside magnetopause transients correlated with changes of the magnetosheath magnetic field orientation, *Ann. Geophys.*, **29**, 687–699, [10.5194/angeo-29-687-2011](https://doi.org/10.5194/angeo-29-687-2011).
- [211] Trotta, E. M., and G. Zimbardo (2011), Quasi-ballistic and superdiffusive transport for impulsive solar particle events, *Astron. & Astrophys.*, **530**, A130, [10.1051/0004-6361/201016278](https://doi.org/10.1051/0004-6361/201016278).
- [212] Tsurutani, B. T., E. Echer, and W. D. Gonzalez (2011), The solar and interplanetary causes of the recent minimum in geomagnetic activity (MGA23): a combination of mid-latitude small coronal holes, low IMF B_z variances, low solar wind speeds and low solar magnetic fields, *Ann. Geophys.*, **29**, 839–849, [10.5194/angeo-29-839-2011](https://doi.org/10.5194/angeo-29-839-2011).
- [213] 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, [10.1103/PhysRevLett.106.165002](https://doi.org/10.1103/PhysRevLett.106.165002).
- [214] 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, [10.1016/j.newar.2011.01.001](https://doi.org/10.1016/j.newar.2011.01.001).
- [215] 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, [10.1007/s11207-011-9854-y](https://doi.org/10.1007/s11207-011-9854-y).
- [216] Verkhoglyadova, O. P., B. T. Tsurutani, A. J. Mannucci, M. G. Mlynczak, L. A. Hunt, A. Komjathy, and T. Runge (2011), Ionospheric VTEC and thermospheric infrared emission dynamics during corotating interaction region and high-speed stream intervals at solar minimum: 25 March to 26 April 2008, *J. Geophys. Res.*, **116**, A09325, [10.1029/2011JA016604](https://doi.org/10.1029/2011JA016604).
- [217] 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.

List of Refereed Publications
Wind Spacecraft: 2011

- [218] Villante, U., and M. Piersanti (2011), Sudden impulses at geosynchronous orbit and at ground, *J. Atmos. Solar-Terr. Phys.*, **73**, 61–76, [10.1016/j.jastp.2010.01.008](https://doi.org/10.1016/j.jastp.2010.01.008).
- [219] Vocks, C. (2011), Kinetic Models for Whistler Wave Scattering of Electrons in the Solar Corona and Wind, *Space Sci. Rev.*, p. 106, [10.1007/s11214-011-9749-0](https://doi.org/10.1007/s11214-011-9749-0).
- [220] 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, [10.5194/angeo-29-1549-2011](https://doi.org/10.5194/angeo-29-1549-2011).
- [221] Walsh, B. M., and T. A. Fritz (2011), Cluster energetic electron survey of the high-altitude cusp and adjacent regions, *J. Geophys. Res.*, **116**, A12212, [10.1029/2011JA016828](https://doi.org/10.1029/2011JA016828).
- [222] Wang, C., J. J. Zhang, B. B. Tang, and S. Y. Fu (2011), Comparison of equivalent current systems for the substorm event of 8 March 2008 derived from the global PPMLR-MHD model and the KRM algorithm, *J. Geophys. Res.*, **116**, A07207, [10.1029/2011JA016497](https://doi.org/10.1029/2011JA016497).
- [223] 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, [10.1088/0004-637X/727/2/121](https://doi.org/10.1088/0004-637X/727/2/121).
- [224] Wang, W., J. Lei, A. G. Burns, L. Qian, S. C. Solomon, M. Wiltberger, and J. Xu (2011), Ionospheric Day-to-Day Variability Around the Whole Heliosphere Interval in 2008, *Solar Phys.*, **274**, 457–472, [10.1007/s11207-011-9747-0](https://doi.org/10.1007/s11207-011-9747-0).
- [225] 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, [10.1016/j.icarus.2011.09.021](https://doi.org/10.1016/j.icarus.2011.09.021).
- [226] Webber, W. R., and D. S. Intriligator (2011), Voyagers 1 and 2 in a shrunken and squashed heliosphere, *J. Geophys. Res.*, **116**, A06105, [10.1029/2011JA016478](https://doi.org/10.1029/2011JA016478).
- [227] 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, [10.5194/angeo-29-415-2011](https://doi.org/10.5194/angeo-29-415-2011).
- [228] Weygand, J. M., W. H. Matthaeus, S. Dasso, and M. G. Kivelson (2011), Correlation and Taylor scale variability in the interplanetary magnetic field fluctuations as a function of solar wind speed, *J. Geophys. Res.*, **116**, 8102, [10.1029/2011JA016621](https://doi.org/10.1029/2011JA016621).
- [229] 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, [10.1007/s11214-010-9708-1](https://doi.org/10.1007/s11214-010-9708-1).

List of Refereed Publications
Wind Spacecraft: 2011

- [230] 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, [10.1103/PhysRevLett.106.045001](https://doi.org/10.1103/PhysRevLett.106.045001).
- [231] Wiehle, S., F. Plaschke, U. Motschmann, K.-H. Glassmeier, H. U. Auster, V. Angelopoulos, J. Mueller, H. Kriegel, E. Georgescu, J. Halekas, D. G. Sibeck, and J. P. McFadden (2011), First lunar wake passage of ARTEMIS: Discrimination of wake effects and solar wind fluctuations by 3D hybrid simulations, *Planet. Space Sci.*, **59**, 661–671, [10.1016/j.pss.2011.01.012](https://doi.org/10.1016/j.pss.2011.01.012).
- [232] Wilder, F. D., C. R. Clauer, J. B. H. Baker, and P. T. Newell (2011), Interhemispheric observations of dayside convection under northward IMF, *J. Geophys. Res.*, **116**, A10230, [10.1029/2011JA016748](https://doi.org/10.1029/2011JA016748).
- [233] Wilder, F. D., C. R. Clauer, J. B. H. Baker, E. P. Cousins, and M. R. Hairston (2011), The nonlinear response of the polar cap potential under southward IMF: A statistical view, *J. Geophys. Res.*, **116**, A12229, [10.1029/2011JA016924](https://doi.org/10.1029/2011JA016924).
- [234] 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, [10.1029/2011GL048671](https://doi.org/10.1029/2011GL048671).
- [235] 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, [10.1088/0004-637X/729/1/70](https://doi.org/10.1088/0004-637X/729/1/70).
- [236] 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, [10.1007/s11207-010-9684-3](https://doi.org/10.1007/s11207-010-9684-3).
- [237] 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 geoeffective coronal mass ejection during the epoch 1-4 August 2010, *J. Geophys. Res.*, **116**, 12,103, [10.1029/2011JA016947](https://doi.org/10.1029/2011JA016947).
- [238] 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, [10.1029/2010JA016159](https://doi.org/10.1029/2010JA016159).
- [239] 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, [10.1007/s11207-011-9785-7](https://doi.org/10.1007/s11207-011-9785-7).
- [240] 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, [10.1088/0256-307X/28/3/039601](https://doi.org/10.1088/0256-307X/28/3/039601).

List of Refereed Publications
Wind Spacecraft: 2011

- [241] 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, [10.1016/j.jastp.2010.08.008](https://doi.org/10.1016/j.jastp.2010.08.008).
- [242] Yue, C., and Q. Zong (2011), Solar wind parameters and geomagnetic indices for four different interplanetary shock/ICME structures, *J. Geophys. Res.*, **116**, A12201, [10.1029/2011JA017013](https://doi.org/10.1029/2011JA017013).
- [243] Yue, C., Q. Zong, Y. Wang, I. I. Vogiatzis, Z. Pu, S. Fu, and Q. Shi (2011), Inner magnetosphere plasma characteristics in response to interplanetary shock impacts, *J. Geophys. Res.*, **116**, A11206, [10.1029/2011JA016736](https://doi.org/10.1029/2011JA016736).
- [244] 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, [10.1029/2011JA016743](https://doi.org/10.1029/2011JA016743).
- [245] 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, [10.1016/j.jastp.2010.09.027](https://doi.org/10.1016/j.jastp.2010.09.027).
- [246] Zhang, X.-J., V. Angelopoulos, A. Runov, X.-Z. Zhou, J. Bonnell, J. P. McFadden, D. Larson, and U. Auster (2011), Current carriers near dipolarization fronts in the magnetotail: A THEMIS event study, *J. Geophys. Res.*, **116**, A00I20, [10.1029/2010JA015885](https://doi.org/10.1029/2010JA015885).
- [247] Živković, T., and K. Rypdal (2011), Low-dimensionality and predictability of solar wind and global magnetosphere during magnetic storms, *J. Geophys. Res.*, **116**, A10215, [10.1029/2011JA016547](https://doi.org/10.1029/2011JA016547).
- [248] 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, [10.1134/S0010952510061048](https://doi.org/10.1134/S0010952510061048).