

List of Refereed Publications
Wind Spacecraft: 2014

References

- [1] Aasi, J., B. P. Abbott, R. Abbott, T. Abbott, M. R. Abernathy, F. Acernese, K. Ackley, C. Adams, T. Adams, P. Addesso, and et al. (2014), Search for Gravitational Waves Associated with γ -ray Bursts Detected by the Interplanetary Network, *Phys. Rev. Lett.*, **113**(1), 011102, [10.1103/PhysRevLett.113.011102](https://doi.org/10.1103/PhysRevLett.113.011102).
- [2] Agueda, N., K.-L. Klein, N. Vilmer, R. Rodríguez-Gasén, O. E. Malandraki, A. Papaioannou, M. Subirà, B. Sanahuja, E. Valtonen, W. Dröge, A. Nindos, B. Heber, S. Braune, I. G. Usoskin, D. Heynderickx, E. Talew, and R. Vainio (2014), Release timescales of solar energetic particles in the low corona, *Astron. & Astrophys.*, **570**, A5, [10.1051/0004-6361/201423549](https://doi.org/10.1051/0004-6361/201423549).
- [3] Alania, M. V., R. Modzelewska, and A. Wawrzynczak (2014), Peculiarities of cosmic ray modulation in the solar minimum 23/24, *J. Geophys. Res.*, **119**, 4164–4174, [10.1002/2013JA019500](https://doi.org/10.1002/2013JA019500).
- [4] Albert, J. (2014), Radial diffusion simulations of the 20 September 2007 radiation belt dropout, *Ann. Geophys.*, **32**, 925–934, [10.5194/angeo-32-925-2014](https://doi.org/10.5194/angeo-32-925-2014).
- [5] Alexander, R. L., S. O’Modhrain, D. A. Roberts, J. A. Gilbert, and T. H. Zurbuchen (2014), The bird’s ear view of space physics: Audification as a tool for the spectral analysis of time series data, *J. Geophys. Res.*, **119**, 5259–5271, [10.1002/2014JA020025](https://doi.org/10.1002/2014JA020025).
- [6] Andréevová, K., L. Juusola, E. K. J. Kilpua, and H. E. J. Koskinen (2014), Analysis of double-step response to an interplanetary shock in the dayside magnetosphere, *Ann. Geophys.*, **32**, 1293–1302, [10.5194/angeo-32-1293-2014](https://doi.org/10.5194/angeo-32-1293-2014).
- [7] Archer, M. O., D. L. Turner, J. P. Eastwood, T. S. Horbury, and S. J. Schwartz (2014), The role of pressure gradients in driving sunward magnetosheath flows and magnetopause motion, *J. Geophys. Res.*, **119**, 8117–8125, [10.1002/2014JA020342](https://doi.org/10.1002/2014JA020342).
- [8] Arden, W. M., A. A. Norton, and X. Sun (2014), A ”breathing” source surface for cycles 23 and 24, *J. Geophys. Res.*, **119**, 1476–1485, [10.1002/2013JA019464](https://doi.org/10.1002/2013JA019464).
- [9] Arora, K., N. P. Chandrasekhar, N. Nagarajan, and A. Singh (2014), Correlations between sunspot numbers, interplanetary parameters and geomagnetic trends over solar cycles 21–23, *J. Atmos. Solar-Terr. Phys.*, **114**, 19–29, [10.1016/j.jastp.2014.04.001](https://doi.org/10.1016/j.jastp.2014.04.001).
- [10] Aryan, H., K. Yearby, M. Balikhin, O. Agapitov, V. Krasnoselskikh, and R. Boynton (2014), Statistical study of chorus wave distributions in the inner magnetosphere using Ae and solar wind parameters, *J. Geophys. Res.*, **119**, 6131–6144, [10.1002/2014JA019939](https://doi.org/10.1002/2014JA019939).
- [11] Aslam, O. P. M., and Badruddin (2014), Similarities and Distinctions in Cosmic-Ray Modulation During Different Phases of Solar and Magnetic Activity Cycles, *Solar Phys.*, **289**, 2247–2268, [10.1007/s11207-013-0459-5](https://doi.org/10.1007/s11207-013-0459-5).

List of Refereed Publications
Wind Spacecraft: 2014

- [12] Belov, A., A. Abunin, M. Abunina, E. Eroshenko, V. Oleneva, V. Yanke, A. Papaioannou, H. Mavromichalaki, N. Gopalswamy, and S. Yashiro (2014), Coronal Mass Ejections and Non-recurrent Forbush Decreases, *Solar Phys.*, **289**, 3949–3960, [10.1007/s11207-014-0534-6](https://doi.org/10.1007/s11207-014-0534-6).
- [13] Berezhnoy, A. A., K. I. Churyumov, V. V. Kleshchenok, E. A. Kozlova, V. Mangano, Y. V. Pakhomov, V. O. Ponomarenko, V. V. Shevchenko, and Y. I. Velikodsky (2014), Properties of the lunar exosphere during the Perseid 2009 meteor shower, *Planet. Space Sci.*, **96**, 90–98, [10.1016/j.pss.2014.03.008](https://doi.org/10.1016/j.pss.2014.03.008).
- [14] Berrilli, F., M. Casolino, D. Del Moro, L. Di Fino, M. Larosa, L. Narici, R. Piazzesi, P. Picozza, S. Scardigli, R. Sparvoli, M. Stangalini, and V. Zaonte (2014), The relativistic solar particle event of May 17th, 2012 observed on board the International Space Station, *J. Space Weather Space Clim.*, **4**(27), A16, [10.1051/swsc/2014014](https://doi.org/10.1051/swsc/2014014).
- [15] Berube, D., J. Sanny, R. Taus, and A. Garoutte (2014), Dayside distribution of Pc5 wave power in the quiet magnetosphere and its response to the solar wind, *Planet. Space Sci.*, **97**, 1–8, [10.1016/j.pss.2014.04.012](https://doi.org/10.1016/j.pss.2014.04.012).
- [16] Bier, E. A., N. Owusu, M. J. Engebretson, J. L. Posch, M. R. Lessard, and V. A. Pilipenko (2014), Investigating the IMF cone angle control of Pc3-4 pulsations observed on the ground, *J. Geophys. Res.*, **119**, 1797–1813, [10.1002/2013JA019637](https://doi.org/10.1002/2013JA019637).
- [17] Blanter, E., J.-L. Le Mouél, M. Shnirman, and V. Courtillot (2014), Loss of synchronization in the 27-day spectral component of geomagnetic indices and its relationship with solar activity, *J. Atmos. Solar-Terr. Phys.*, **117**, 71–80, [10.1016/j.jastp.2014.04.002](https://doi.org/10.1016/j.jastp.2014.04.002).
- [18] Borovsky, J. E., and J. T. Steinberg (2014), No evidence for the localized heating of solar wind protons at intense velocity shear zones, *J. Geophys. Res.*, **119**, 1455–1462, [10.1002/2013JA019746](https://doi.org/10.1002/2013JA019746).
- [19] Boudjada, M. Y., P. H. M. Galopeau, M. Maksimovic, and H. O. Rucker (2014), Visibility of Type III burst source location as inferred from stereoscopic space observations, *Adv. Radio Sci.*, **12**, 167–170.
- [20] Boyd, A. J., H. E. Spence, S. G. Claudepierre, J. F. Fennell, J. B. Blake, D. N. Baker, G. D. Reeves, and D. L. Turner (2014), Quantifying the radiation belt seed population in the 17 March 2013 electron acceleration event, *Geophys. Res. Lett.*, **41**, 2275–2281, [10.1002/2014GL059626](https://doi.org/10.1002/2014GL059626).
- [21] Briand, C., P. Henri, and S. Hoang (2014), Inhibition of type III radio emissions due to the interaction between two electron beams: Observations and simulations, *J. Geophys. Res.*, **119**, 2365–2378, [10.1002/2013JA019688](https://doi.org/10.1002/2013JA019688).
- [22] Bruno, R., and L. Trenchi (2014), Radial Dependence of the Frequency Break between Fluid and Kinetic Scales in the Solar Wind Fluctuations, *Astrophys. J. Lett.*, **787**(2), L24, [10.1088/2041-8205/787/2/L24](https://doi.org/10.1088/2041-8205/787/2/L24).

List of Refereed Publications
Wind Spacecraft: 2014

- [23] Bučík, R., D. E. Innes, U. Mall, A. Korth, G. M. Mason, and R. Gómez-Herrero (2014), Multi-spacecraft Observations of Recurrent ^3He -rich Solar Energetic Particles, *Astrophys. J.*, **786**, 71, [10.1088/0004-637X/786/1/71](https://doi.org/10.1088/0004-637X/786/1/71).
- [24] Cao, J., A. Duan, M. Dunlop, X. Wei, and C. Cai (2014), Dependence of IMF B_y penetration into the neutral sheet on IMF B_z and geomagnetic activity, *J. Geophys. Res.*, **119**, 5279–5285, [10.1002/2014JA019827](https://doi.org/10.1002/2014JA019827).
- [25] Cash, M. D., J. S. Wrobel, K. C. Cosentino, and A. A. Reinard (2014), Characterizing interplanetary shocks for development and optimization of an automated solar wind shock detection algorithm, *J. Geophys. Res.*, **119**, 4210–4222, [10.1002/2014JA019800](https://doi.org/10.1002/2014JA019800).
- [26] Chao, J. K., W.-C. Hsieh, L. Yang, and L. C. Lee (2014), Walén Test and de Hoffmann-Teller Frame of Interplanetary Large-amplitude Alfvén Waves, *Astrophys. J.*, **786**, 149, [10.1088/0004-637X/786/2/149](https://doi.org/10.1088/0004-637X/786/2/149).
- [27] Charikov, Y. E., R. L. Aptekar, S. V. Golenetsky, I. V. Kudryavtsev, S. A. Kuznetsov, V. F. Melnikov, V. D. Pal'shin, D. S. Svinkin, Z. Y. Sokolova, M. V. Ulanov, D. D. Frederiks, A. E. Tsvetkova, and A. N. Shabalin (2014), Analysis of hard X- and gamma-rays and microwave emissions during the flare of July 18, 2002, *Geomagnetism and Aeronomy*, **54**, 1058–1066, [10.1134/S0016793214080027](https://doi.org/10.1134/S0016793214080027).
- [28] Chen, B., T. S. Bastian, and D. E. Gary (2014), Direct Evidence of an Eruptive, Filament-hosting Magnetic Flux Rope Leading to a Fast Solar Coronal Mass Ejection, *Astrophys. J.*, **794**, 149, [10.1088/0004-637X/794/2/149](https://doi.org/10.1088/0004-637X/794/2/149).
- [29] Chen, C. H. K., L. Sorriso-Valvo, J. Šafránková, and Z. Němeček (2014), Intermittency of Solar Wind Density Fluctuations From Ion to Electron Scales, *Astrophys. J. Lett.*, **789**, L8, [10.1088/2041-8205/789/1/L8](https://doi.org/10.1088/2041-8205/789/1/L8).
- [30] Chen, C. H. K., L. Leung, S. Boldyrev, B. A. Maruca, and S. D. Bale (2014), Ion-scale spectral break of solar wind turbulence at high and low beta, *Geophys. Res. Lett.*, **41**, 8081–8088, [10.1002/2014GL062009](https://doi.org/10.1002/2014GL062009).
- [31] Cho, I.-H., J. Hwang, and Y.-D. Park (2014), Revisiting Solar and Heliospheric 1.3-Year Signals during 1970 - 2007, *Solar Phys.*, **289**, 707–719, [10.1007/s11207-013-0365-x](https://doi.org/10.1007/s11207-013-0365-x).
- [32] Clausen, L. B. N., and K.-H. Glassmeier (2014), Enhancement of ultralow frequency wave amplitudes at the plasmopause, *J. Geophys. Res.*, **119**, 9113–9124, [10.1002/2014JA020072](https://doi.org/10.1002/2014JA020072).
- [33] Connor, H. K., E. Zesta, D. M. Ober, and J. Raeder (2014), The relation between transpolar potential and reconnection rates during sudden enhancement of solar wind dynamic pressure: OpenGGCM-CTIM results, *J. Geophys. Res.*, **119**, 3411–3429, [10.1002/2013JA019728](https://doi.org/10.1002/2013JA019728).
- [34] Consolini, G., and P. De Michelis (2014), Permutation entropy analysis of complex magnetospheric dynamics, *J. Atmos. Solar-Terr. Phys.*, **115**, 25–31, [10.1016/j.jastp.2013.11.005](https://doi.org/10.1016/j.jastp.2013.11.005).

List of Refereed Publications
Wind Spacecraft: 2014

- [35] Cranmer, S. R. (2014), Ensemble Simulations of Proton Heating in the Solar Wind via Turbulence and Ion Cyclotron Resonance, *Astrophys. J. Suppl.*, **213**, 16, [10.1088/0067-0049/213/1/16](https://doi.org/10.1088/0067-0049/213/1/16).
- [36] Dahlgren, H., G. Perry, J.-P. St. Maurice, H. Keisuke, J. L. Semeter, M. J. Nicolls, and K. Shiokawa (2014), 3D imaging reveals electrodynamic dynamics of polar cap aurora, *Astron. Geophys.*, **55**(5), 050,005–5, [10.1093/astrogeo/atu215](https://doi.org/10.1093/astrogeo/atu215).
- [37] DeJong, A. D. (2014), Steady magnetospheric convection events: How much does steadiness matter?, *J. Geophys. Res.*, **119**, 4389–4399, [10.1002/2013JA019220](https://doi.org/10.1002/2013JA019220).
- [38] Denton, M. H., and J. E. Borovsky (2014), Observations and modeling of magnetic flux tube refilling of the plasmasphere at geosynchronous orbit, *J. Geophys. Res.*, **119**, 9246–9255, [10.1002/2014JA020491](https://doi.org/10.1002/2014JA020491).
- [39] Despirak, I. V., A. A. Lyubchich, and N. G. Kleimenova (2014), Polar and high latitude substorms and solar wind conditions, *Geomagnetism and Aeronomy*, **54**, 575–582, [10.1134/S0016793214050041](https://doi.org/10.1134/S0016793214050041).
- [40] Dimmock, A. P., K. Nykyri, and T. I. Pulkkinen (2014), A statistical study of magnetic field fluctuations in the dayside magnetosheath and their dependence on upstream solar wind conditions, *J. Geophys. Res.*, **119**, 6231–6248, [10.1002/2014JA020009](https://doi.org/10.1002/2014JA020009).
- [41] Ding, L.-G., G. Li, Y. Jiang, G.-M. Le, C.-L. Shen, Y.-M. Wang, Y. Chen, F. Xu, B. Gu, and Y.-N. Zhang (2014), Interaction between Two Coronal Mass Ejections in the 2013 May 22 Large Solar Energetic Particle Event, *Astrophys. J. Lett.*, **793**, L35, [10.1088/2041-8205/793/2/L35](https://doi.org/10.1088/2041-8205/793/2/L35).
- [42] Dong, C. (2014), Minor ion heating in spectra of linearly and circularly polarized Alfvén waves: Thermal and non-thermal motions associated with perpendicular heating, *Phys. Plasmas*, **21**(2), 022302, [10.1063/1.4863833](https://doi.org/10.1063/1.4863833).
- [43] Dresing, N., R. Gómez-Herrero, B. Heber, A. Klassen, O. Malandraki, W. Dröge, and Y. Kartavykh (2014), Statistical survey of widely spread out solar electron events observed with STEREO and ACE with special attention to anisotropies, *Astron. & Astrophys.*, **567**, A27, [10.1051/0004-6361/201423789](https://doi.org/10.1051/0004-6361/201423789).
- [44] Dröge, W., Y. Y. Kartavykh, N. Dresing, B. Heber, and A. Klassen (2014), Wide longitudinal distribution of interplanetary electrons following the 7 February 2010 solar event: Observations and transport modeling, *J. Geophys. Res.*, **119**, 6074–6094, [10.1002/2014JA019933](https://doi.org/10.1002/2014JA019933).
- [45] Eastwood, J. P., H. Hietala, G. Toth, T. D. Phan, and M. Fujimoto (2014), What Controls the Structure and Dynamics of Earth’s Magnetosphere?, *Space Sci. Rev.*, [10.1007/s11214-014-0050-x](https://doi.org/10.1007/s11214-014-0050-x).
- [46] Enzl, J., L. Přeč, J. Šafránková, and Z. Němeček (2014), Statistical Study of Reconnection Exhausts in the Solar Wind, *Astrophys. J.*, **796**, 21, [10.1088/0004-637X/796/1/21](https://doi.org/10.1088/0004-637X/796/1/21).

List of Refereed Publications
Wind Spacecraft: 2014

- [47] Erdős, G., and A. Balogh (2014), Magnetic Flux Density in the Heliosphere through Several Solar Cycles, *Astrophys. J.*, **781**, 50, [10.1088/0004-637X/781/1/50](https://doi.org/10.1088/0004-637X/781/1/50).
- [48] Eriksson, S., D. L. Newman, G. Lapenta, and V. Angelopoulos (2014), On the signatures of magnetic islands and multiple X-lines in the solar wind as observed by ARTEMIS and WIND, *Plasma Phys. & Controlled Fusion*, **56**(6), 064008, [10.1088/0741-3335/56/6/064008](https://doi.org/10.1088/0741-3335/56/6/064008).
- [49] Evans, P. A., R. Willingale, J. P. Osborne, P. T. O'Brien, N. R. Tanvir, D. D. Frederiks, V. D. Pal'shin, D. S. Svinikin, A. Lien, J. Cummings, S. Xiong, B.-B. Zhang, D. Götz, V. Savchenko, H. Negoro, S. Nakahira, K. Suzuki, K. Wiersema, R. L. C. Starling, A. J. Castro-Tirado, A. P. Beardmore, R. Sánchez-Ramírez, J. Gorosabel, S. Jeong, J. A. Kennea, D. N. Burrows, and N. Gehrels (2014), GRB 130925A: an ultralong gamma ray burst with a dust-echo afterglow, and implications for the origin of the ultralong GRBs, *Mon. Not. Roy. Astron. Soc.*, **444**, 250–267, [10.1093/mnras/stu1459](https://doi.org/10.1093/mnras/stu1459).
- [50] Fahr, H. J., I. V. Chashei, and D. Verscharen (2014), Traveling solar-wind bulk-velocity fluctuations and their effects on electron heating in the heliosphere, *Astron. & Astrophys.*, **571**, A78, [10.1051/0004-6361/201424421](https://doi.org/10.1051/0004-6361/201424421).
- [51] Farrugia, C. J., F. T. Gratton, G. Gnavi, R. B. Torbert, and L. B. Wilson III (2014), A Vortical Boundary Layer for Near-Radial IMF: Wind Observations on October 24, 2001, *J. Geophys. Res.*, **119**, 4572–4590, [10.1002/2013JA019578](https://doi.org/10.1002/2013JA019578).
- [52] Fatemi, S., M. Holmström, Y. Futaana, C. Lue, M. R. Collier, S. Barabash, and G. Stenberg (2014), Effects of protons reflected by lunar crustal magnetic fields on the global lunar plasma environment, *J. Geophys. Res.*, **119**, 6095–6105, [10.1002/2014JA019900](https://doi.org/10.1002/2014JA019900).
- [53] Fear, R. C., S. E. Milan, R. Maggiolo, A. N. Fazakerley, I. Dandouras, and S. B. Mende (2014), Direct observation of closed magnetic flux trapped in the high-latitude magnetosphere, *Science*, **346**, 1506–1510, [10.1126/science.1257377](https://doi.org/10.1126/science.1257377).
- [54] Feng, X., M. Zhang, and Y. Zhou (2014), A New Three-dimensional Solar Wind Model in Spherical Coordinates with a Six-component Grid, *Astrophys. J. Suppl.*, **214**, 6, [10.1088/0067-0049/214/1/6](https://doi.org/10.1088/0067-0049/214/1/6).
- [55] Fiori, R. A. D., D. H. Boteler, and D. M. Gillies (2014), Assessment of GIC risk due to geomagnetic sudden commencements and identification of the current systems responsible, *Space Weather*, **12**, 76–91, [10.1002/2013SW000967](https://doi.org/10.1002/2013SW000967).
- [56] Firoz, K. A., W. Q. Gan, Y. P. Li, and J. Rodriguez-Pacheco (2014), On the possible mechanism of the first ground level enhancement in cosmic ray intensity of solar cycle 24, *Astrophys. Space Sci.*, **350**, 21–32, [10.1007/s10509-013-1729-2](https://doi.org/10.1007/s10509-013-1729-2).
- [57] Fok, M.-C., N. Y. Buzulukova, S.-H. Chen, A. Glocer, T. Nagai, P. Valek, and J. D. Perez (2014), The Comprehensive Inner Magnetosphere-Ionosphere Model, *J. Geophys. Res.*, **119**, 7522–7540, [10.1002/2014JA020239](https://doi.org/10.1002/2014JA020239).

List of Refereed Publications
Wind Spacecraft: 2014

- [58] Fuselier, S. A., S. M. Petrinec, K. J. Trattner, and B. Lavraud (2014), Magnetic field topology for northward IMF reconnection: Ion observations, *J. Geophys. Res.*, **119**, 9051–9071, [10.1002/2014JA020351](https://doi.org/10.1002/2014JA020351).
- [59] Gamayunov, K. V., M. J. Engebretson, M. Zhang, and H. K. Rassoul (2014), Model of electromagnetic ion cyclotron waves in the inner magnetosphere, *J. Geophys. Res.*, **119**, 7541–7565, [10.1002/2014JA020032](https://doi.org/10.1002/2014JA020032).
- [60] Gillies, D. M., D. J. Knudsen, E. F. Donovan, E. L. Spanswick, C. Hansen, D. Keating, and S. Erion (2014), A survey of quiet auroral arc orientation and the effects of the interplanetary magnetic field, *J. Geophys. Res.*, **119**, 2550–2562, [10.1002/2013JA019469](https://doi.org/10.1002/2013JA019469).
- [61] Gkioulidou, M., A. Y. Ukhorskiy, D. G. Mitchell, T. Sotirelis, B. H. Mauk, and L. J. Lanzerotti (2014), The role of small-scale ion injections in the buildup of Earth’s ring current pressure: Van Allen Probes observations of the 17 March 2013 storm, *J. Geophys. Res.*, **119**, 7327–7342, [10.1002/2014JA020096](https://doi.org/10.1002/2014JA020096).
- [62] Goldstein, J., S. D. Pascuale, C. Kletzing, W. Kurth, K. J. Genestreti, R. M. Skoug, B. A. Larsen, L. M. Kistler, C. Mouikis, and H. Spence (2014), Simulation of Van Allen Probes plasmopause encounters, *J. Geophys. Res.*, **119**, 7464–7484, [10.1002/2014JA020252](https://doi.org/10.1002/2014JA020252).
- [63] Goncharov, O., J. Šafránková, Z. Němeček, L. Přech, A. PitÅa, and G. N. Zastenker (2014), Upstream and downstream wave packets associated with low-Mach number interplanetary shocks, *Geophys. Res. Lett.*, **41**, 8100–8106, [10.1002/2014GL062149](https://doi.org/10.1002/2014GL062149).
- [64] Gopalswamy, N., S. Akiyama, S. Yashiro, H. Xie, P. Mäkelä, and G. Michalek (2014), Anomalous expansion of coronal mass ejections during solar cycle 24 and its space weather implications, *Geophys. Res. Lett.*, **41**, 2673–2680, [10.1002/2014GL059858](https://doi.org/10.1002/2014GL059858).
- [65] Gopalswamy, N., H. Xie, S. Akiyama, P. A. Mäkelä, and S. Yashiro (2014), Major solar eruptions and high-energy particle events during solar cycle 24, *Earth, Planets, and Space*, **66**, 104, [10.1186/1880-5981-66-104](https://doi.org/10.1186/1880-5981-66-104).
- [66] Greiner, J., H.-F. Yu, T. Krühler, D. D. Frederiks, A. Beloborodov, P. N. Bhat, J. Bolmer, H. van Eerten, R. L. Aptekar, J. Elliott, S. V. Golenetskii, J. F. Graham, K. Hurley, D. A. Kann, S. Klose, A. Nicuesa Guelbenzu, A. Rau, P. Schady, S. Schmidl, V. Sudilovsky, D. S. Svinkin, M. Tanga, M. V. Ulanov, K. Varela, A. von Kienlin, and X.-L. Zhang (2014), GROND coverage of the main peak of gamma-ray burst 130925A, *Astron. & Astrophys.*, **568**, A75, [10.1051/0004-6361/201424250](https://doi.org/10.1051/0004-6361/201424250).
- [67] Gressl, C., A. M. Veronig, M. Temmer, D. Odrščil, J. A. Linker, Z. Mikić, and P. Riley (2014), Comparative Study of MHD Modeling of the Background Solar Wind, *Solar Phys.*, **289**, 1783–1801, [10.1007/s11207-013-0421-6](https://doi.org/10.1007/s11207-013-0421-6).
- [68] Grigorenko, E. E., J.-A. Sauvaud, L. Palin, C. Jacquy, and L. M. Zelenyi (2014), THEMIS observations of the current sheet dynamics in response to the intrusion of the high-velocity plasma flow into the near-Earth magnetotail, *J. Geophys. Res.*, **119**, 6553–6568, [10.1002/2013JA019729](https://doi.org/10.1002/2013JA019729).

List of Refereed Publications
Wind Spacecraft: 2014

- [69] Grygorov, K., L. Přech, J. Šafránková, Z. Němeček, and O. Goncharov (2014), The far magnetotail response to an interplanetary shock arrival, *Planet. Space Sci.*, **103**, 228–237, [10.1016/j.pss.2014.07.016](https://doi.org/10.1016/j.pss.2014.07.016).
- [70] Gunell, H., G. Stenberg Wieser, M. Mella, R. Maggiolo, H. Nilsson, F. Darrouzet, M. Hamrin, T. Karlsson, N. Brenning, J. De Keyser, M. André, and I. Dandouras (2014), Waves in high-speed plasmoids in the magnetosheath and at the magnetopause, *Ann. Geophys.*, **32**, 991–1009, [10.5194/angeo-32-991-2014](https://doi.org/10.5194/angeo-32-991-2014).
- [71] Guo, J., T. I. Pulkkinen, E. I. Tanskanen, X. Feng, B. A. Emery, H. Liu, C. Liu, and D. Zhong (2014), Annual variations in westward auroral electrojet and sub-storm occurrence rate during solar cycle 23, *J. Geophys. Res.*, **119**, 2061–2068, [10.1002/2013JA019742](https://doi.org/10.1002/2013JA019742).
- [72] Guo, X., and V. Florinski (2014), Corotating interaction regions and the 27 day variation of galactic cosmic rays intensity at 1 AU during the cycle 23/24 solar minimum, *J. Geophys. Res.*, **119**, 2411–2429, [10.1002/2013JA019546](https://doi.org/10.1002/2013JA019546).
- [73] Gupta, A., S. Mathur, M. Galeazzi, and Y. Krongold (2014), Probing the mass and anisotropy of the Milky Way gaseous halo: sight-lines toward Mrk 421 and PKS 2155-304, *Astrophys. Space Sci.*, **352**, 775–787, [10.1007/s10509-014-1958-z](https://doi.org/10.1007/s10509-014-1958-z).
- [74] Haaland, S., J. Reistad, P. Tenfjord, J. Gjerloev, L. Maes, J. DeKeyser, R. Maggiolo, C. Anekallu, and N. Dorville (2014), Characteristics of the flank magnetopause: Cluster observations, *J. Geophys. Res.*, **119**, 9019–9037, [10.1002/2014JA020539](https://doi.org/10.1002/2014JA020539).
- [75] Hajra, R., E. Echer, B. T. Tsurutani, and W. D. Gonzalez (2014), Solar wind-magnetosphere energy coupling efficiency and partitioning: HILDCAAs and preceding CIR storms during solar cycle 23, *J. Geophys. Res.*, **119**, 2675–2690, [10.1002/2013JA019646](https://doi.org/10.1002/2013JA019646).
- [76] Hajra, R., E. Echer, B. T. Tsurutani, and W. D. Gonzalez (2014), Superposed epoch analyses of HILDCAAs and their interplanetary drivers: Solar cycle and seasonal dependences, *J. Atmos. Solar-Terr. Phys.*, **121**, 24–31, [10.1016/j.jastp.2014.09.012](https://doi.org/10.1016/j.jastp.2014.09.012).
- [77] Hartinger, M. D., D. Welling, N. M. Viall, M. B. Moldwin, and A. Ridley (2014), The effect of magnetopause motion on fast mode resonance, *J. Geophys. Res.*, **119**, 8212–8227, [10.1002/2014JA020401](https://doi.org/10.1002/2014JA020401).
- [78] Hartley, D. P., M. H. Denton, and J. V. Rodriguez (2014), Electron number density, temperature, and energy density at GEO and links to the solar wind: A simple predictive capability, *J. Geophys. Res.*, **119**, 4556–4571, [10.1002/2014JA019779](https://doi.org/10.1002/2014JA019779).
- [79] Hellinger, P., and P. M. Trávníček (2014), Solar Wind Protons at 1 AU: Trends and Bounds, Constraints and Correlations, *Astrophys. J. Lett.*, **784**, L15, [10.1088/2041-8205/784/1/L15](https://doi.org/10.1088/2041-8205/784/1/L15).

List of Refereed Publications
Wind Spacecraft: 2014

- [80] Hietala, H., J. P. Eastwood, and A. Isavnin (2014), Sequentially released tilted flux ropes in the Earth's magnetotail, *Plasma Phys. & Controlled Fusion*, **56**(6), 064011, [10.1088/0741-3335/56/6/064011](https://doi.org/10.1088/0741-3335/56/6/064011).
- [81] Hoilijoki, S., V. M. Souza, B. M. Walsh, P. Janhunen, and M. Palmroth (2014), Magnetopause reconnection and energy conversion as influenced by the dipole tilt and the IMF B_x , *J. Geophys. Res.*, **119**, 4484–4494, [10.1002/2013JA019693](https://doi.org/10.1002/2013JA019693).
- [82] Holappa, L., K. Mursula, T. Asikainen, and I. G. Richardson (2014), Annual fractions of high-speed streams from principal component analysis of local geomagnetic activity, *J. Geophys. Res.*, **119**, 4544–4555, [10.1002/2014JA019958](https://doi.org/10.1002/2014JA019958).
- [83] Holmes, J. M., M. G. Johnsen, C. S. Deehr, X.-Y. Zhou, and D. A. Lorentzen (2014), Circumpolar ground-based optical measurements of proton and electron shock aurora, *J. Geophys. Res.*, **119**, 3895–3914, [10.1002/2013JA019574](https://doi.org/10.1002/2013JA019574).
- [84] Hu, Q., J. Qiu, B. Dasgupta, A. Khare, and G. M. Webb (2014), Structures of Interplanetary Magnetic Flux Ropes and Comparison with Their Solar Sources, *Astrophys. J.*, **793**, 53, [10.1088/0004-637X/793/1/53](https://doi.org/10.1088/0004-637X/793/1/53).
- [85] Huang, C., Y. Yan, G. Li, Y. Deng, and B. Tan (2014), Tracking Back the Solar Wind to Its Photospheric Footpoints from Wind Observations - A Statistical Study, *Solar Phys.*, **289**, 3109–3119, [10.1007/s11207-014-0508-8](https://doi.org/10.1007/s11207-014-0508-8).
- [86] Hyun, K., K.-H. Kim, E. Lee, H.-J. Kwon, D.-H. Lee, and H. Jin (2014), Loss of geosynchronous relativistic electrons by EMIC wave scattering under quiet geomagnetic conditions, *J. Geophys. Res.*, **119**, 8357–8371, [10.1002/2014JA020234](https://doi.org/10.1002/2014JA020234).
- [87] Iju, T., M. Tokumaru, and K. Fujiki (2014), Kinematic Properties of Slow ICMEs and an Interpretation of a Modified Drag Equation for Fast and Moderate ICMEs, *Solar Phys.*, **289**, 2157–2175, [10.1007/s11207-014-0472-3](https://doi.org/10.1007/s11207-014-0472-3).
- [88] Isavnin, A. (2014), Flux ropes in space plasmas, Ph.D. thesis, University of Helsinki, Finland, advisor: Emilia K.J. Kilpua.
- [89] Janvier, M., P. Démoulin, and S. Dasso (2014), Mean shape of interplanetary shocks deduced from in situ observations and its relation with interplanetary CMEs, *Astron. & Astrophys.*, **565**, A99, [10.1051/0004-6361/201423450](https://doi.org/10.1051/0004-6361/201423450).
- [90] Janvier, M., P. Démoulin, and S. Dasso (2014), Are There Different Populations of Flux Ropes in the Solar Wind?, *Solar Phys.*, **289**, 2633–2652, [10.1007/s11207-014-0486-x](https://doi.org/10.1007/s11207-014-0486-x).
- [91] Janvier, M., P. Démoulin, and S. Dasso (2014), In situ properties of small and large flux ropes in the solar wind, *J. Geophys. Res.*, **119**, 7088–7107, [10.1002/2014JA020218](https://doi.org/10.1002/2014JA020218).
- [92] Joshua, B. W., J. O. Adeniyi, B. W. Reinisch, I. A. Adimula, A. O. Olawepo, O. A. Oladipo, and S. J. Adebisi (2014), The response of the ionosphere over Ilorin to some geomagnetic storms, *Adv. Space Res.*, **54**, 2224–2235, [10.1016/j.asr.2014.08.027](https://doi.org/10.1016/j.asr.2014.08.027).

List of Refereed Publications
Wind Spacecraft: 2014

- [93] Juusola, L., S. E. Milan, M. Lester, A. Grocott, and S. M. Imber (2014), Interplanetary magnetic field control of the ionospheric field-aligned current and convection distributions, *J. Geophys. Res.*, **119**, 3130–3149, [10.1002/2013JA019455](https://doi.org/10.1002/2013JA019455).
- [94] Juusola, L., G. Facskó, I. Honkonen, P. Janhunen, H. Vanhamäki, K. Kauristie, T. V. Laitinen, S. E. Milan, M. Palmroth, E. I. Tanskanen, and A. Viljanen (2014), Statistical comparison of seasonal variations in the GUMICS-4 global MHD model ionosphere and measurements, *Space Weather*, **12**, 582–600, [10.1002/2014SW001082](https://doi.org/10.1002/2014SW001082).
- [95] Kahler, S. W., C. N. Arge, S. Akiyama, and N. Gopalswamy (2014), Do Solar Coronal Holes Affect the Properties of Solar Energetic Particle Events?, *Solar Phys.*, **289**, 657–673, [10.1007/s11207-013-0427-0](https://doi.org/10.1007/s11207-013-0427-0).
- [96] Kalegaev, V. V., I. I. Alexeev, I. S. Nazarkov, V. Angelopoulos, and A. Runov (2014), On the large-scale structure of the tail current as measured by THEMIS, *Adv. Space Res.*, **54**, 1773–1785, [10.1016/j.asr.2014.07.019](https://doi.org/10.1016/j.asr.2014.07.019).
- [97] Kilpua, E. K. J., J. G. Luhmann, L. K. Jian, C. T. Russell, and Y. Li (2014), Why have geomagnetic storms been so weak during the recent solar minimum and the rising phase of cycle 24?, *J. Atmos. Solar-Terr. Phys.*, **107**, 12–19, [10.1016/j.jastp.2013.11.001](https://doi.org/10.1016/j.jastp.2013.11.001).
- [98] Kim, R.-S., Y.-J. Moon, N. Gopalswamy, Y.-D. Park, and Y.-H. Kim (2014), Two-step forecast of geomagnetic storm using coronal mass ejection and solar wind condition, *Space Weather*, **12**, 246–256, [10.1002/2014SW001033](https://doi.org/10.1002/2014SW001033).
- [99] Kim, T. K., N. V. Pogorelov, S. N. Borovikov, K. Hayashi, B. V. Jackson, M. Tokumaru, and H. Yu (2014), Modeling the Global Heliosphere Using IPS-derived Time-dependent Boundary Conditions, in *Outstanding Problems in Heliophysics: From Coronal Heating to the Edge of the Heliosphere*, *Astronomical Society of the Pacific Conference Series*, vol. 484, edited by Q. Hu and G. P. Zank, p. 91.
- [100] Kim, T. K., N. V. Pogorelov, S. N. Borovikov, B. V. Jackson, H.-S. Yu, and M. Tokumaru (2014), MHD heliosphere with boundary conditions from a tomographic reconstruction using interplanetary scintillation data, *J. Geophys. Res.*, **119**, 7981–7997, [10.1002/2013JA019755](https://doi.org/10.1002/2013JA019755).
- [101] Kissinger, J., L. Kepko, D. N. Baker, S. Kanekal, W. Li, R. L. McPherron, and V. Angelopoulos (2014), The importance of storm time steady magnetospheric convection in determining the final relativistic electron flux level, *J. Geophys. Res.*, **119**, 7433–7443, [10.1002/2014JA019948](https://doi.org/10.1002/2014JA019948).
- [102] Kleimenova, N. G., and O. V. Kozyreva (2014), Planetary distribution of geomagnetic pulsations during a geomagnetic storm at solar minimum, *Izvestiya Physics of the Solid Earth*, **50**, 102–111, [10.1134/S1069351313060062](https://doi.org/10.1134/S1069351313060062).
- [103] Klein, K.-L., S. Masson, C. Bouratzis, V. Grechnev, A. Hillaris, and P. Preka-Papadema (2014), The relativistic solar particle event of 2005 January 20: origin of delayed particle acceleration, *Astron. & Astrophys.*, **572**, A4, [10.1051/0004-6361/201423783](https://doi.org/10.1051/0004-6361/201423783).

List of Refereed Publications
Wind Spacecraft: 2014

- [104] Knipp, D. J., T. Matsuo, L. Kilcommons, A. Richmond, B. Anderson, H. Korth, R. Redmon, B. Mero, and N. Parrish (2014), Comparison of magnetic perturbation data from LEO satellite constellations: Statistics of DMSF and AMPERE, *Space Weather*, **12**, 2–23, [10.1002/2013SW000987](https://doi.org/10.1002/2013SW000987).
- [105] Kondrashov, D., R. Denton, Y. Y. Shprits, and H. J. Singer (2014), Reconstruction of gaps in the past history of solar wind parameters, *Geophys. Res. Lett.*, **41**, 2702–2707, [10.1002/2014GL059741](https://doi.org/10.1002/2014GL059741).
- [106] Kouloumvakos, A., S. Patsourakos, A. Hillaris, A. Vourlidas, P. Preka-Papadema, X. Moussas, C. Caroubalos, P. Tsitsipis, and A. Kontogeorgos (2014), CME Expansion as the Driver of Metric Type II Shock Emission as Revealed by Self-consistent Analysis of High-Cadence EUV Images and Radio Spectrograms, *Solar Phys.*, **289**, 2123–2139, [10.1007/s11207-013-0460-z](https://doi.org/10.1007/s11207-013-0460-z).
- [107] Kozyra, J. U., M. W. Liemohn, C. Cattell, D. De Zeeuw, C. P. Escoubet, D. S. Evans, X. Fang, M.-C. Fok, H. U. Frey, W. D. Gonzalez, M. Hairston, R. Heelis, G. Lu, W. B. Manchester, S. Mende, L. J. Paxton, L. Rastaetter, A. Ridley, M. Sandanger, F. Soraas, T. Sotirelis, M. W. Thomsen, B. T. Tsurutani, and O. Verkhoglyadova (2014), Solar filament impact on 21 January 2005: Geospace consequences, *J. Geophys. Res.*, **119**, 5401–5448, [10.1002/2013JA019748](https://doi.org/10.1002/2013JA019748).
- [108] Krupar, V., M. Maksimovic, O. Santolik, B. Cecconi, and O. Kruparova (2014), Statistical Survey of Type III Radio Bursts at Long Wavelengths Observed by the Solar TERrestrial RELations Observatory (STEREO)/ Waves Instruments: Goniopolarimetric Properties and Radio Source Locations, *Solar Phys.*, **289**, 4633–4652, [10.1007/s11207-014-0601-z](https://doi.org/10.1007/s11207-014-0601-z).
- [109] Kumar, A., and Badruddin (2014), Interplanetary Coronal Mass Ejections, Associated Features, and Transient Modulation of Galactic Cosmic Rays, *Solar Phys.*, **289**, 2177–2205, [10.1007/s11207-013-0465-7](https://doi.org/10.1007/s11207-013-0465-7).
- [110] Kumar, A., and Badruddin (2014), Cosmic-Ray Modulation due to High-Speed Solar-Wind Streams of Different Sources, Speed, and Duration, *Solar Phys.*, **289**, 4267–4296, [10.1007/s11207-014-0565-z](https://doi.org/10.1007/s11207-014-0565-z).
- [111] Landi, S., L. Matteini, and F. Pantellini (2014), Electron Heat Flux in the Solar Wind: Are We Observing the Collisional Limit in the 1 AU Data?, *Astrophys. J. Lett.*, **790**, L12, [10.1088/2041-8205/790/1/L12](https://doi.org/10.1088/2041-8205/790/1/L12).
- [112] Lario, D., and A. Karelitz (2014), Influence of interplanetary coronal mass ejections on the peak intensity of solar energetic particle events, *J. Geophys. Res.*, **119**, 4185–4209, [10.1002/2014JA019771](https://doi.org/10.1002/2014JA019771).
- [113] Lario, D., N. E. Raouafi, R.-Y. Kwon, J. Zhang, R. Gómez-Herrero, N. Dresing, and P. Riley (2014), The Solar Energetic Particle Event on 2013 April 11: An Investigation of its Solar Origin and Longitudinal Spread, *Astrophys. J.*, **797**, 8, [10.1088/0004-637X/797/1/8](https://doi.org/10.1088/0004-637X/797/1/8).

List of Refereed Publications
Wind Spacecraft: 2014

- [114] Lavraud, B., A. Ruffenach, A. P. Rouillard, P. Kajdic, W. B. Manchester, and N. Lugaz (2014), Geo-effectiveness and radial dependence of magnetic cloud erosion by magnetic reconnection, *J. Geophys. Res.*, **119**, 26–35, [10.1002/2013JA019154](https://doi.org/10.1002/2013JA019154).
- [115] Lee, J. H., and V. Angelopoulos (2014), On the presence and properties of cold ions near Earth’s equatorial magnetosphere, *J. Geophys. Res.*, **119**, 1749–1770, [10.1002/2013JA019305](https://doi.org/10.1002/2013JA019305).
- [116] Lee, J. H., and V. Angelopoulos (2014), Observations and modeling of EMIC wave properties in the presence of multiple ion species as function of magnetic local time, *J. Geophys. Res.*, **119**, 8942–8970, [10.1002/2014JA020469](https://doi.org/10.1002/2014JA020469).
- [117] Lee, J.-O., Y.-J. Moon, J.-Y. Lee, K.-S. Lee, S. Kim, and K. Lee (2014), Are the Faint Structures Ahead of Solar Coronal Mass Ejections Real Signatures of Driven Shocks?, *Astrophys. J. Lett.*, **796**, L16, [10.1088/2041-8205/796/1/L16](https://doi.org/10.1088/2041-8205/796/1/L16).
- [118] Lee, S. H., H. Zhang, Q.-G. Zong, A. Otto, D. G. Sibeck, Y. Wang, K.-H. Glassmeier, P. W. Daly, and H. Rème (2014), Plasma and energetic particle behaviors during asymmetric magnetic reconnection at the magnetopause, *J. Geophys. Res.*, **119**, 1658–1672, [10.1002/2013JA019168](https://doi.org/10.1002/2013JA019168).
- [119] Levan, A. J., N. R. Tanvir, R. L. C. Starling, K. Wiersema, K. L. Page, D. A. Perley, S. Schulze, G. A. Wynn, R. Chornock, J. Hjorth, S. B. Cenko, A. S. Fruchter, P. T. O’Brien, G. C. Brown, R. L. Tunnicliffe, D. Malesani, P. Jakobsson, D. Watson, E. Berger, D. Bersier, B. E. Cobb, S. Covino, A. Cucchiara, A. de Ugarte Postigo, D. B. Fox, A. Gal-Yam, P. Goldoni, J. Gorosabel, L. Kaper, T. Krühler, R. Karjalainen, J. P. Osborne, E. Pian, R. Sánchez-Ramírez, B. Schmidt, I. Skillen, G. Tagliaferri, C. Thöne, O. Vaduvescu, R. A. M. J. Wijers, and B. A. Zauderer (2014), A New Population of Ultra-long Duration Gamma-Ray Bursts, *Astrophys. J.*, **781**, 13, [10.1088/0004-637X/781/1/13](https://doi.org/10.1088/0004-637X/781/1/13).
- [120] Li, C., S. J. Zhong, L. Wang, W. Su, and C. Fang (2014), Waiting Time Distribution of Solar Energetic Particle Events Modeled with a Non-stationary Poisson Process, *Astrophys. J. Lett.*, **792**, L26, [10.1088/2041-8205/792/2/L26](https://doi.org/10.1088/2041-8205/792/2/L26).
- [121] Li, W., R. M. Thorne, Q. Ma, B. Ni, J. Bortnik, D. N. Baker, H. E. Spence, G. D. Reeves, S. G. Kanekal, J. C. Green, C. A. Kletzing, W. S. Kurth, G. B. Hospodarsky, J. B. Blake, J. F. Fennell, and S. G. Claudepierre (2014), Radiation belt electron acceleration by chorus waves during the 17 March 2013 storm, *J. Geophys. Res.*, **119**, 4681–4693, [10.1002/2014JA019945](https://doi.org/10.1002/2014JA019945).
- [122] Lin, D., C. Wang, W. Li, B. Tang, X. Guo, and Z. Peng (2014), Properties of Kelvin-Helmholtz waves at the magnetopause under northward interplanetary magnetic field: Statistical study, *J. Geophys. Res.*, **119**, 7485–7494, [10.1002/2014JA020379](https://doi.org/10.1002/2014JA020379).
- [123] Liu, Y. C.-M., J. Huang, C. Wang, B. Klecker, A. B. Galvin, K. D. C. Simunac, M. A. Popecki, L. Kistler, C. Farrugia, M. A. Lee, H. Kucharek, A. Opitz, J. G. Luhmann, and L. Jian (2014), A statistical analysis of heliospheric plasma sheets, heliospheric current

List of Refereed Publications
Wind Spacecraft: 2014

- sheets, and sector boundaries observed in situ by STEREO, *J. Geophys. Res.*, **119**, 8721–8732, [10.1002/2014JA019956](https://doi.org/10.1002/2014JA019956).
- [124] Liu, Y. D., J. G. Luhmann, P. Kajdič, E. K. J. Kilpua, N. Lugaz, N. V. Nitta, C. Möstl, B. Lavraud, S. D. Bale, C. J. Farrugia, and A. B. Galvin (2014), Observations of an extreme storm in interplanetary space caused by successive coronal mass ejections, *Nature Comm.*, **5**, 3481, [10.1038/ncomms4481](https://doi.org/10.1038/ncomms4481).
- [125] Liu, Y. D., Z. Yang, R. Wang, J. G. Luhmann, J. D. Richardson, and N. Lugaz (2014), Sun-to-Earth Characteristics of Two Coronal Mass Ejections Interacting Near 1 AU: Formation of a Complex Ejecta and Generation of a Two-step Geomagnetic Storm, *Astrophys. J. Lett.*, **793**, L41, [10.1088/2041-8205/793/2/L41](https://doi.org/10.1088/2041-8205/793/2/L41).
- [126] Lockwood, M., and M. J. Owens (2014), Centennial variations in sunspot number, open solar flux and streamer belt width: 3. Modeling, *J. Geophys. Res.*, **119**, 5193–5209, [10.1002/2014JA019973](https://doi.org/10.1002/2014JA019973).
- [127] López, R. A., P. S. Moya, V. Muñoz, A. F. Viñas, and J. A. Valdivia (2014), Kinetic transverse dispersion relation for relativistic magnetized electron-positron plasmas with Maxwell-Jüttner velocity distribution functions, *Phys. Plasmas*, **21**(9), 092107, [10.1063/1.4894679](https://doi.org/10.1063/1.4894679).
- [128] Lopez, R. E., R. Bruntz, and K. Pham (2014), Linear separation of orthogonal merging component and viscous interactions in solar wind-geospace coupling, *J. Geophys. Res.*, **119**, 7566–7576, [10.1002/2014JA020153](https://doi.org/10.1002/2014JA020153).
- [129] Lotko, W., R. H. Smith, B. Zhang, J. E. Ouellette, O. J. Brambles, and J. G. Lyon (2014), Ionospheric control of magnetotail reconnection, *Science*, **345**, 184–187, [10.1126/science.1252907](https://doi.org/10.1126/science.1252907).
- [130] Lue, C., Y. Futaana, S. Barabash, M. Wieser, A. Bhardwaj, and P. Wurz (2014), Chandrayaan-1 observations of backscattered solar wind protons from the lunar regolith: Dependence on the solar wind speed, *J. Geophys. Res.*, **119**, 968–975, [10.1002/2013JE004582](https://doi.org/10.1002/2013JE004582).
- [131] Lugaz, N., and C. J. Farrugia (2014), A new class of complex ejecta resulting from the interaction of two CMEs and its expected geoeffectiveness, *Geophys. Res. Lett.*, **41**, 769–776, [10.1002/2013GL058789](https://doi.org/10.1002/2013GL058789).
- [132] Lui, A. T. Y., D. G. Mitchell, and L. J. Lanzerotti (2014), Comparison of energetic electron intensities outside and inside the radiation belts, *J. Geophys. Res.*, **119**, 6213–6230, [10.1002/2014JA020049](https://doi.org/10.1002/2014JA020049).
- [133] Magdaleníć, J., C. Marqué, V. Krupar, M. Mierla, A. N. Zhukov, L. Rodriguez, M. Maksimović, and B. Cecconi (2014), Tracking the CME-driven Shock Wave on 2012 March 5 and Radio Triangulation of Associated Radio Emission, *Astrophys. J.*, **791**, 115, [10.1088/0004-637X/791/2/115](https://doi.org/10.1088/0004-637X/791/2/115).

List of Refereed Publications
Wind Spacecraft: 2014

- [134] Malaspina, D. M., M. Horányi, A. Zaslavsky, K. Goetz, L. B. Wilson, and K. Kersten (2014), Interplanetary and interstellar dust observed by the Wind/WAVES electric field instrument, *Geophys. Res. Lett.*, **41**, 266–272, [10.1002/2013GL058786](https://doi.org/10.1002/2013GL058786).
- [135] Manchester, W. B., J. U. Kozyra, S. T. Lepri, and B. Lavraud (2014), Simulation of magnetic cloud erosion during propagation, *J. Geophys. Res.*, **119**, 5449–5464, [10.1002/2014JA019882](https://doi.org/10.1002/2014JA019882).
- [136] Manchester, W. B., IV, B. van der Holst, and B. Lavraud (2014), Flux rope evolution in interplanetary coronal mass ejections: the 13 May 2005 event, *Plasma Phys. & Controlled Fusion*, **56**(6), 064006, [10.1088/0741-3335/56/6/064006](https://doi.org/10.1088/0741-3335/56/6/064006).
- [137] Mandrini, C. H., F. A. Nuevo, A. M. Vásquez, P. Démoulin, L. van Driel-Gesztelyi, D. Baker, J. L. Culhane, G. D. Cristiani, and M. Pick (2014), How Can Active Region Plasma Escape into the Solar Wind from Below a Closed Helmet Streamer?, *Solar Phys.*, **289**, 4151–4171, [10.1007/s11207-014-0582-y](https://doi.org/10.1007/s11207-014-0582-y).
- [138] Maneva, Y. G., J. A. Araneda, and E. Marsch (2014), Regulation of Ion Drifts and Anisotropies by Parametrically Unstable Finite-amplitude Alfvén-cyclotron Waves in the Fast Solar Wind, *Astrophys. J.*, **783**, 139, [10.1088/0004-637X/783/2/139](https://doi.org/10.1088/0004-637X/783/2/139).
- [139] Manuel, R., S. E. S. Ferreira, and M. S. Potgieter (2014), Time-Dependent Modulation of Cosmic Rays in the Heliosphere, *Solar Phys.*, **289**, 2207–2231, [10.1007/s11207-013-0445-y](https://doi.org/10.1007/s11207-013-0445-y).
- [140] Marisaldi, M., F. Fuschino, M. Tavani, S. Dietrich, C. Price, M. Galli, C. Pittori, F. Verrecchia, S. Mereghetti, P. W. Cattaneo, S. Colafrancesco, A. Argan, C. Labanti, F. Longo, E. Del Monte, G. Barbiellini, A. Giuliani, A. Bulgarelli, R. Campana, A. Chen, F. Gianotti, P. Giommi, F. Lazzarotto, A. Morselli, M. Rapisarda, A. Rappoldi, M. Trifoglio, A. Trois, and S. Vercellone (2014), Properties of terrestrial gamma ray flashes detected by AGILE MCAL below 30 MeV, *J. Geophys. Res.*, **119**, 1337–1355, [10.1002/2013JA019301](https://doi.org/10.1002/2013JA019301).
- [141] Maričić, D., B. Vršnak, M. Dumbović, T. Žic, D. Roša, D. Hržina, S. Lulić, I. Romštajn, I. Bušić, K. Salamon, M. Temmer, T. Rollett, A. Veronig, N. Bostanjyan, A. Chilingarian, B. Mailyan, K. Arakelyan, A. Hovhannisyan, and N. Mujić (2014), Kinematics of Interacting ICMEs and Related Forbush Decrease: Case Study, *Solar Phys.*, **289**, 351–368, [10.1007/s11207-013-0314-8](https://doi.org/10.1007/s11207-013-0314-8).
- [142] Maselli, A., A. Melandri, L. Nava, C. G. Mundell, N. Kawai, S. Campana, S. Covino, J. R. Cummings, G. Cusumano, P. A. Evans, G. Ghirlanda, G. Ghisellini, C. Guidorzi, S. Kobayashi, P. Kuin, V. La Parola, V. Mangano, S. Oates, T. Sakamoto, M. Serino, F. Virgili, B.-B. Zhang, S. Barthelmy, A. Beardmore, M. G. Bernardini, D. Bersier, D. Burrows, G. Calderone, M. Capalbi, J. Chiang, P. D’Avanzo, V. D’Elia, M. De Pasquale, D. Fugazza, N. Gehrels, A. Gomboc, R. Harrison, H. Hanayama, J. Japelj, J. Kennea, D. Kopac, C. Kouveliotou, D. Kuroda, A. Levan, D. Malesani, F. Marshall, J. Nousek, P. O’Brien, J. P. Osborne, C. Pagani, K. L. Page, M. Page, M. Perri, T. Pritchard, P. Romano, Y. Saito, B. Sbarufatti, R. Salvaterra, I. Steele, N. Tanvir, G. Vianello, B. Weigand, K. Wiersema, Y. Yatsu, T. Yoshii, and G. Tagliaferri

List of Refereed Publications
Wind Spacecraft: 2014

- (2014), GRB 130427A: A Nearby Ordinary Monster, *Science*, **343**, 48–51, [10.1126/science.1242279](https://doi.org/10.1126/science.1242279).
- [143] Matthaeus, W. H., S. Oughton, K. T. Osman, S. Servidio, M. Wan, S. P. Gary, M. A. Shay, F. Valentini, V. Roytershteyn, H. Karimabadi, and S. C. Chapman (2014), Nonlinear and Linear Timescales near Kinetic Scales in Solar Wind Turbulence, *Astrophys. J.*, **790**, 155, [10.1088/0004-637X/790/2/155](https://doi.org/10.1088/0004-637X/790/2/155).
- [144] Mazets, E. P., R. L. Aptekar, S. V. Golenetskii, V. N. Il'inskii, V. D. Pal'shin, Z. Y. Sokolova, D. D. Frederiks, and M. V. Ulanov (2014), Study of Solar Flares and Gamma-Ray Bursts in the Helicon Experiment, in *Astrophysics and Space Science Library, Astrophysics and Space Science Library*, vol. 400, edited by V. Kuznetsov, p. 393, [10.1007/978-3-642-39268-9_15](https://doi.org/10.1007/978-3-642-39268-9_15).
- [145] McComas, D. J., N. Alexander, N. Angold, S. Bale, C. Beebe, B. Birdwell, M. Boyle, J. M. Burgum, J. A. Burnham, E. R. Christian, W. R. Cook, S. A. Cooper, A. C. Cummings, A. J. Davis, M. I. Desai, J. Dickinson, G. Dirks, D. H. Do, N. Fox, J. Giacalone, R. E. Gold, R. S. Gurnee, J. R. Hayes, M. E. Hill, J. C. Kasper, B. Kecman, J. Klemic, S. M. Krimigis, A. W. Labrador, R. S. Layman, R. A. Leske, S. Livi, W. H. Matthaeus, R. L. McNutt, R. A. Mewaldt, D. G. Mitchell, K. S. Nelson, C. Parker, J. S. Rankin, E. C. Roelof, N. A. Schwadron, H. Seifert, S. Shuman, M. R. Stokes, E. C. Stone, J. D. Vandegriff, M. Velli, T. T. von Rosenvinge, S. E. Weidner, M. E. Wiedenbeck, and P. Wilson (2014), Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation, *Space Sci. Rev.*, [10.1007/s11214-014-0059-1](https://doi.org/10.1007/s11214-014-0059-1).
- [146] Meeren, C., K. Oksavik, D. Lorentzen, J. I. Moen, and V. Romano (2014), GPS scintillation and irregularities at the front of an ionization tongue in the nightside polar ionosphere, *J. Geophys. Res.*, **119**, 8624–8636, [10.1002/2014JA020114](https://doi.org/10.1002/2014JA020114).
- [147] Meyer-Vernet, N., M. Moncuquet, K. Issautier, and A. Lecacheux (2014), The importance of monopole antennas for dust observations: Why Wind/WAVES does not detect nanodust, *Geophys. Res. Lett.*, **41**, 2716–2720, [10.1002/2014GL059988](https://doi.org/10.1002/2014GL059988).
- [148] Michno, M. J., M. Lazar, P. H. Yoon, and R. Schlickeiser (2014), Effects of Electrons on the Solar Wind Proton Temperature Anisotropy, *Astrophys. J.*, **781**, 49, [10.1088/0004-637X/781/1/49](https://doi.org/10.1088/0004-637X/781/1/49).
- [149] Mishra, W., and N. Srivastava (2014), Morphological and Kinematic Evolution of Three Interacting Coronal Mass Ejections of 2011 February 13-15, *Astrophys. J.*, **794**, 64, [10.1088/0004-637X/794/1/64](https://doi.org/10.1088/0004-637X/794/1/64).
- [150] Mishra, W., N. Srivastava, and J. A. Davies (2014), A Comparison of Reconstruction Methods for the Estimation of Coronal Mass Ejections Kinematics Based on SECCHI/HI Observations, *Astrophys. J.*, **784**, 135, [10.1088/0004-637X/784/2/135](https://doi.org/10.1088/0004-637X/784/2/135).
- [151] Mitsakou, E., and X. Moussas (2014), Statistical Study of ICMEs and Their Sheaths During Solar Cycle 23 (1996 - 2008), *Solar Phys.*, **289**, 3137–3157, [10.1007/s11207-014-0505-y](https://doi.org/10.1007/s11207-014-0505-y).

List of Refereed Publications
Wind Spacecraft: 2014

- [152] Monreal MacMahon, R., and C. Llop-Romero (2014), On the characteristic parameters of magnetic storms during two solar cycles, *J. Atmos. Solar-Terr. Phys.*, **114**, 66–72, [10.1016/j.jastp.2014.04.007](https://doi.org/10.1016/j.jastp.2014.04.007).
- [153] Möstl, C., K. Amla, J. R. Hall, P. C. Liewer, E. M. De Jong, R. C. Colaninno, A. M. Veronig, T. Rollett, M. Temmer, V. Peinhart, J. A. Davies, N. Lugaz, Y. D. Liu, C. J. Farrugia, J. G. Luhmann, B. Vršnak, R. A. Harrison, and A. B. Galvin (2014), Connecting Speeds, Directions and Arrival Times of 22 Coronal Mass Ejections from the Sun to 1 AU, *Astrophys. J.*, **787**, 119, [10.1088/0004-637X/787/2/119](https://doi.org/10.1088/0004-637X/787/2/119).
- [154] Motoba, T., Y. Ebihara, A. Kadokura, and A. T. Weatherwax (2014), Fine-scale transient arcs seen in a shock aurora, *J. Geophys. Res.*, **119**, 6249–6255, [10.1002/2014JA020229](https://doi.org/10.1002/2014JA020229).
- [155] Munakata, K., M. Kozai, C. Kato, and J. Kóta (2014), Long-term Variation of the Solar Diurnal Anisotropy of Galactic Cosmic Rays Observed with the Nagoya Multi-directional Muon Detector, *Astrophys. J.*, **791**, 22, [10.1088/0004-637X/791/1/22](https://doi.org/10.1088/0004-637X/791/1/22).
- [156] Muzamil, F. M., C. J. Farrugia, R. B. Torbert, P. R. Pritchett, F. S. Mozer, J. D. Scudder, C. T. Russell, P. E. Sandholt, W. F. Denig, and L. B. Wilson III (2014), Structure of a reconnection layer poleward of the cusp: Extreme density asymmetry and a guide field, *J. Geophys. Res.*, **119**(9), 7343–7362, [10.1002/2014JA019879](https://doi.org/10.1002/2014JA019879).
- [157] Navarro, R. E., P. S. Moya, V. Muñoz, J. A. Araneda, A. F. Viñas, and J. A. Valdivia (2014), Solar Wind Thermally Induced Magnetic Fluctuations, *Phys. Rev. Lett.*, **112**(24), 245001, [10.1103/PhysRevLett.112.245001](https://doi.org/10.1103/PhysRevLett.112.245001).
- [158] Navarro, R. E., J. Araneda, V. Muñoz, P. S. Moya, A. F.-Viñas, and J. A. Valdivia (2014), Theory of electromagnetic fluctuations for magnetized multi-species plasmas, *Phys. Plasmas*, **21**(9), 092902, [10.1063/1.4894700](https://doi.org/10.1063/1.4894700).
- [159] Nicolaou, G., G. Livadiotis, and X. Moussas (2014), Long-Term Variability of the Polytopic Index of Solar Wind Protons at 1 AU, *Solar Phys.*, **289**, 1371–1378, [10.1007/s11207-013-0401-x](https://doi.org/10.1007/s11207-013-0401-x).
- [160] Nishimura, Y., L. R. Lyons, M. J. Nicolls, D. L. Hampton, R. G. Michell, M. Samara, W. A. Bristow, E. F. Donovan, E. Spanswick, V. Angelopoulos, and S. B. Mende (2014), Coordinated ionospheric observations indicating coupling between preonset flow bursts and waves that lead to substorm onset, *J. Geophys. Res.*, **119**, 3333–3344, [10.1002/2014JA019773](https://doi.org/10.1002/2014JA019773).
- [161] Nishimura, Y., L. R. Lyons, Y. Zou, K. Oksavik, J. I. Moen, L. B. Clausen, E. F. Donovan, V. Angelopoulos, K. Shiokawa, J. M. Ruohoniemi, N. Nishitani, K. A. McWilliams, and M. Lester (2014), Day-night coupling by a localized flow channel visualized by polar cap patch propagation, *Geophys. Res. Lett.*, **41**, 3701–3709, [10.1002/2014GL060301](https://doi.org/10.1002/2014GL060301).
- [162] Nishimura, Y., J. Bortnik, W. Li, L. R. Lyons, E. F. Donovan, V. Angelopoulos, and S. B. Mende (2014), Evolution of nightside subauroral proton aurora caused by transient plasma sheet flows, *J. Geophys. Res.*, **119**, 5295–5304, [10.1002/2014JA020029](https://doi.org/10.1002/2014JA020029).

List of Refereed Publications
Wind Spacecraft: 2014

- [163] Noah, M. A., and W. J. Burke (2014), Magnetospheric conditions for sawtooth event development, *J. Geophys. Res.*, **119**, 2494–2511, [10.1002/2013JA019573](https://doi.org/10.1002/2013JA019573).
- [164] Ojeda González, A., W. D. Gonzalez, O. Mendes, M. O. Domingues, and R. R. Rosa (2014), Conjugate fluctuation analysis for a set of 41 magnetic clouds measured by the ACE spacecraft, *Nonlin. Proc. Geophys. Discussions*, **1**, 583–613, [10.5194/npgd-1-583-2014](https://doi.org/10.5194/npgd-1-583-2014).
- [165] Osman, K. T., W. H. Matthaeus, J. T. Gosling, A. Greco, S. Servidio, B. Hnat, S. C. Chapman, and T. D. Phan (2014), Magnetic Reconnection and Intermittent Turbulence in the Solar Wind, *Phys. Rev. Lett.*, **112**(21), 215002, [10.1103/PhysRevLett.112.215002](https://doi.org/10.1103/PhysRevLett.112.215002).
- [166] Pal'shin, V. D., Y. E. Charikov, R. L. Aptekar, S. V. Golenetskii, A. A. Kokomov, D. S. Svinkin, Z. Y. Sokolova, M. V. Ulanov, D. D. Frederiks, and A. E. Tsvetkova (2014), Konus-Wind and Helicon-Coronas-F observations of solar flares, *Geomagnetism and Aeronomy*, **54**, 943–948, [10.1134/S0016793214070093](https://doi.org/10.1134/S0016793214070093).
- [167] Pan, Q., M. Ashour-Abdalla, R. J. Walker, and M. El-Alaoui (2014), Ion energization and transport associated with magnetic dipolarizations, *Geophys. Res. Lett.*, **41**, 5717–5726, [10.1002/2014GL061209](https://doi.org/10.1002/2014GL061209).
- [168] Papaioannou, A., G. Souvatzoglou, P. Paschalis, M. Gerontidou, and H. Mavromichalaki (2014), The First Ground-Level Enhancement of Solar Cycle 24 on 17 May 2012 and Its Real-Time Detection, *Solar Phys.*, **289**, 423–436, [10.1007/s11207-013-0336-2](https://doi.org/10.1007/s11207-013-0336-2).
- [169] Papaioannou, A., O. E. Malandraki, N. Dresing, B. Heber, K.-L. Klein, R. Vainio, R. Rodríguez-Gasén, A. Klassen, A. Nindos, D. Heynderickx, R. A. Mewaldt, R. Gómez-Herrero, N. Vilmer, A. Kouloumvakos, K. Tziotziou, and G. Tsiropoula (2014), SEPServer catalogues of solar energetic particle events at 1 AU based on STEREO recordings: 2007–2012, *Astron. & Astrophys.*, **569**, A96, [10.1051/0004-6361/201323336](https://doi.org/10.1051/0004-6361/201323336).
- [170] Perroomian, V., S. Garg, and M. El-Alaoui (2014), An MHD simulation study of the dynamics of the 8–9 March 2008 CIR-/HSS-driven geomagnetic storm, *J. Geophys. Res.*, **119**, 2990–3001, [10.1002/2013JA019294](https://doi.org/10.1002/2013JA019294).
- [171] Pham, K. H. (2014), Investigating the global geospace response to a period of solar wind high speed streams using the Lyon-Fedder-Mobarry MHD simulation, Ph.D. thesis, The University of Texas at Arlington.
- [172] Pi, G., J.-H. Shue, J.-K. Chao, Z. Němeček, J. Šafránková, and C.-H. Lin (2014), A reexamination of long-duration radial IMF events, *J. Geophys. Res.*, **119**, 7005–7011, [10.1002/2014JA019993](https://doi.org/10.1002/2014JA019993).
- [173] Poduval, B., and X. P. Zhao (2014), Validating Solar Wind Prediction Using the Current Sheet Source Surface Model, *Astrophys. J. Lett.*, **782**, L22, [10.1088/2041-8205/782/2/L22](https://doi.org/10.1088/2041-8205/782/2/L22).

List of Refereed Publications
Wind Spacecraft: 2014

- [174] Posner, A., M. Hesse, and O. C. St. Cyr (2014), The main pillar: Assessment of space weather observational asset performance supporting nowcasting, forecasting, and research to operations, *Space Weather*, **12**, 257–276, [10.1002/2013SW001007](https://doi.org/10.1002/2013SW001007).
- [175] Potapov, A. S., B. Tsegmed, and L. V. Ryzhakova (2014), Solar cycle variation of "killer" electrons at geosynchronous orbit and electron flux correlation with the solar wind parameters and ULF waves intensity, *Acta Astron.*, **93**, 55–63, [10.1016/j.actaastro.2013.07.004](https://doi.org/10.1016/j.actaastro.2013.07.004).
- [176] Pradipta, R., C. E. Valladares, and P. H. Doherty (2014), GPS observation of continent-size traveling TEC pulsations at the start of geomagnetic storms, *J. Geophys. Res.*, **119**, 6913–6924, [10.1002/2014JA020177](https://doi.org/10.1002/2014JA020177).
- [177] Prakash, O., A. Shanmugaraju, G. Michalek, and S. Umopathy (2014), Geoeffectiveness and flare properties of radio-loud CMEs, *Astrophys. Space Sci.*, **350**, 33–45, [10.1007/s10509-013-1728-3](https://doi.org/10.1007/s10509-013-1728-3).
- [178] Preece, R., J. M. Burgess, A. von Kienlin, P. N. Bhat, M. S. Briggs, D. Byrne, V. Chaplin, W. Cleveland, A. C. Collazzi, V. Connaughton, A. Diekmann, G. Fitzpatrick, S. Foley, M. Gibby, M. Giles, A. Goldstein, J. Greiner, D. Gruber, P. Jenke, R. M. Kippen, C. Kouveliotou, S. McBreen, C. Meegan, W. S. Paciasas, V. Pelassa, D. Tierney, A. J. van der Horst, C. Wilson-Hodge, S. Xiong, G. Younes, H.-F. Yu, M. Ackermann, M. Ajello, M. Axelsson, L. Baldini, G. Barbiellini, M. G. Baring, D. Bastieri, R. Bellazzini, E. Bissaldi, E. Bonamente, J. Bregeon, M. Brigida, P. Bruel, R. Buehler, S. Buson, G. A. Caliandro, R. A. Cameron, P. A. Caraveo, C. Cecchi, E. Charles, A. Chekhtman, J. Chiang, G. Chiaro, S. Ciprini, R. Claus, J. Cohen-Tanugi, L. R. Cominsky, J. Conrad, F. D'Ammando, A. de Angelis, F. de Palma, C. D. Dermer, R. Desiante, S. W. Digel, L. Di Venere, P. S. Drell, A. Drlica-Wagner, C. Favuzzi, A. Franckowiak, Y. Fukazawa, P. Fusco, F. Gargano, N. Gehrels, S. Germani, N. Giglietto, F. Giordano, M. Giroletti, G. Godfrey, J. Granot, I. A. Grenier, S. Guiriec, D. Hadasch, Y. Hanabata, A. K. Harding, M. Hayashida, S. Iyyani, T. Jogler, G. Jóhannesson, T. Kawano, J. Knödlseider, D. Kocevski, M. Kuss, J. Lande, J. Larsson, S. Larsson, L. Latronico, F. Longo, F. Loparco, M. N. Lovellette, P. Lubrano, M. Mayer, M. N. Mazziotta, P. F. Michelson, T. Mizuno, M. E. Monzani, E. Moretti, A. Morselli, S. Murgia, R. Nemmen, E. Nuss, T. Nymark, M. Ohno, T. Ohsugi, A. Okumura, N. Omodei, M. Orienti, D. Paneque, J. S. Perkins, M. Pesce-Rollins, F. Piron, G. Pivato, T. A. Porter, J. L. Racusin, S. Rainò, R. Rando, M. Razzano, S. Razzaque, A. Reimer, O. Reimer, S. Ritz, M. Roth, F. Ryde, A. Sartori, J. D. Scargle, A. Schulz, C. Sgrò, E. J. Siskind, G. Spandre, P. Spinelli, D. J. Suson, H. Tajima, H. Takahashi, J. G. Thayer, J. B. Thayer, L. Tibaldo, M. Tinivella, D. F. Torres, G. Tosti, E. Troja, T. L. Usher, J. Vandenbroucke, V. Vasileiou, G. Vianello, V. Vitale, M. Werner, B. L. Winer, K. S. Wood, and S. Zhu (2014), The First Pulse of the Extremely Bright GRB 130427A: A Test Lab for Synchrotron Shocks, *Science*, **343**, 51–54, [10.1126/science.1242302](https://doi.org/10.1126/science.1242302).
- [179] Prikryl, P., P. T. Jayachandran, S. C. Mushini, and I. G. Richardson (2014), High-latitude GPS phase scintillation and cycle slips during high-speed solar wind streams and interplanetary coronal mass ejections: a superposed epoch analysis, *Earth, Planets, and Space*, **66**, 62, [10.1186/1880-5981-66-62](https://doi.org/10.1186/1880-5981-66-62).

List of Refereed Publications
Wind Spacecraft: 2014

- [180] Prise, A. J., L. K. Harra, S. A. Matthews, D. M. Long, and A. D. Aylward (2014), An Investigation of the CME of 3 November 2011 and Its Associated Widespread Solar Energetic Particle Event, *Solar Phys.*, **289**, 1731–1744, [10.1007/s11207-013-0435-0](https://doi.org/10.1007/s11207-013-0435-0).
- [181] Provornikova, E., M. Opher, V. V. Izmodenov, J. D. Richardson, and G. Toth (2014), Plasma Flows in the Heliosheath along the Voyager 1 and 2 Trajectories due to Effects of the 11 yr Solar Cycle, *Astrophys. J.*, **794**, 29, [10.1088/0004-637X/794/1/29](https://doi.org/10.1088/0004-637X/794/1/29).
- [182] Pulinets, M. S., E. E. Antonova, M. O. Riazantseva, S. S. Znatkova, and I. P. Kirpichev (2014), Comparison of the magnetic field before the subsolar magnetopause with the magnetic field in the solar wind before the bow shock, *Adv. Space Res.*, **54**, 604–616, [10.1016/j.asr.2014.04.023](https://doi.org/10.1016/j.asr.2014.04.023).
- [183] Pulkkinen, T. I., N. Partamies, and E. K. J. Kilpua (2014), Substorm occurrence during quiet solar wind driving, *J. Geophys. Res.*, **119**, 2978–2989, [10.1002/2013JA019503](https://doi.org/10.1002/2013JA019503).
- [184] Pulupa, M. P., S. D. Bale, C. Salem, and K. Horaites (2014), Spin-modulated spacecraft floating potential: Observations and effects on electron moments, *J. Geophys. Res.*, **119**, 647–657, [10.1002/2013JA019359](https://doi.org/10.1002/2013JA019359).
- [185] Pulupa, M. P., C. Salem, T. D. Phan, J. T. Gosling, and S. D. Bale (2014), Core Electron Heating in Solar Wind Reconnection Exhausts, *Astrophys. J. Lett.*, **791**, L17, [10.1088/2041-8205/791/1/L17](https://doi.org/10.1088/2041-8205/791/1/L17).
- [186] Reames, D. V. (2014), Element Abundances in Solar Energetic Particles and the Solar Corona, *Solar Phys.*, **289**, 977–993, [10.1007/s11207-013-0350-4](https://doi.org/10.1007/s11207-013-0350-4).
- [187] Reames, D. V., E. W. Cliver, and S. W. Kahler (2014), Abundance Enhancements in Impulsive Solar Energetic-Particle Events with Associated Coronal Mass Ejections, *Solar Phys.*, **289**, 3817–3841, [10.1007/s11207-014-0547-1](https://doi.org/10.1007/s11207-014-0547-1).
- [188] Reames, D. V., E. W. Cliver, and S. W. Kahler (2014), Variations in Abundance Enhancements in Impulsive Solar Energetic-Particle Events and Related CMEs and Flares, *Solar Phys.*, **289**, 4675–4689, [10.1007/s11207-014-0589-4](https://doi.org/10.1007/s11207-014-0589-4).
- [189] Regi, M., M. De Laetis, and P. Francia (2014), The occurrence of upstream waves in relation with the solar wind parameters: A statistical approach to estimate the size of the foreshock region, *Planet. Space Sci.*, **90**, 100–105, [10.1016/j.pss.2013.10.012](https://doi.org/10.1016/j.pss.2013.10.012).
- [190] Reid, H. A. S., and H. Ratcliffe (2014), A review of solar type III radio bursts, *Res. Astron. Astrophys.*, **14**, 773–804, [10.1088/1674-4527/14/7/003](https://doi.org/10.1088/1674-4527/14/7/003).
- [191] Remya, B., B. T. Tsurutani, R. V. Reddy, G. S. Lakhina, B. J. Falkowski, E. Echer, and K.-H. Glassmeier (2014), Large-amplitude, Circularly Polarized, Compressive, Obliquely Propagating Electromagnetic Proton Cyclotron Waves Throughout the Earth’s Magnetosheath: Low Plasma β Conditions, *Astrophys. J.*, **793**, 6, [10.1088/0004-637X/793/1/6](https://doi.org/10.1088/0004-637X/793/1/6).

List of Refereed Publications
Wind Spacecraft: 2014

- [192] Richardson, I. G. (2014), Identification of Interplanetary Coronal Mass Ejections at Ulysses Using Multiple Solar Wind Signatures, *Solar Phys.*, **289**, 3843–3894, [10.1007/s11207-014-0540-8](https://doi.org/10.1007/s11207-014-0540-8).
- [193] Richardson, I. G., T. T. von Roseninge, H. V. Cane, E. R. Christian, C. M. S. Cohen, A. W. Labrador, R. A. Leske, R. A. Mewaldt, M. E. Wiedenbeck, and E. C. Stone (2014), >25 MeV Proton Events Observed by the High Energy Telescopes on the STEREO A and B Spacecraft and/or at Earth During the First ~Seven Years of the STEREO Mission, *Solar Phys.*, **289**, 3059–3107, [10.1007/s11207-014-0524-8](https://doi.org/10.1007/s11207-014-0524-8).
- [194] Rodriguez, J. V., J. C. Krosschell, and J. C. Green (2014), Intercalibration of GOES 8-15 solar proton detectors, *Space Weather*, **12**, 92–109, [10.1002/2013SW000996](https://doi.org/10.1002/2013SW000996).
- [195] Rollett, T., C. Möstl, M. Temmer, R. A. Frahm, J. A. Davies, A. M. Veronig, B. Vršnak, U. V. Amerstorfer, C. J. Farrugia, T. Žic, and T. L. Zhang (2014), Combined Multipoint Remote and in situ Observations of the Asymmetric Evolution of a Fast Solar Coronal Mass Ejection, *Astrophys. J. Lett.*, **790**, L6, [10.1088/2041-8205/790/1/L6](https://doi.org/10.1088/2041-8205/790/1/L6).
- [196] Rong, Z. J., W. X. Wan, C. Shen, A. A. Petrukovich, W. Baumjohann, M. W. Dunlop, and Y. C. Zhang (2014), Radial distribution of magnetic field in earth magnetotail current sheet, *Planet. Space Sci.*, **103**, 273–285, [10.1016/j.pss.2014.07.014](https://doi.org/10.1016/j.pss.2014.07.014).
- [197] Rucker, H. O., M. Panchenko, and C. Weber (2014), Planetary radio astronomy: Earth, giant planets, and beyond, *Adv. Radio Sci.*, **12**, 211–220, [10.5194/ars-12-211-2014](https://doi.org/10.5194/ars-12-211-2014).
- [198] Sadvoski, A., and A. Skalsky (2014), Coupling of earth’s magnetosphere, solar wind and lunar plasma environment, *Adv. Space Res.*, **54**, 2017–2020, [10.1016/j.asr.2013.07.028](https://doi.org/10.1016/j.asr.2013.07.028).
- [199] Sandholt, P. E., and C. J. Farrugia (2014), Aspects of magnetosphere-ionosphere coupling in sawtooth substorms: a case study, *Ann. Geophys.*, **32**, 1277–1291, [10.5194/angeo-32-1277-2014](https://doi.org/10.5194/angeo-32-1277-2014).
- [200] Schiller, Q., X. Li, L. Blum, W. Tu, D. L. Turner, and J. B. Blake (2014), A nonstorm time enhancement of relativistic electrons in the outer radiation belt, *Geophys. Res. Lett.*, **41**, 7–12, [10.1002/2013GL058485](https://doi.org/10.1002/2013GL058485).
- [201] Schmidt, J. M., and I. H. Cairns (2014), Type II solar radio bursts predicted by 3-D MHD CME and kinetic radio emission simulations, *J. Geophys. Res.*, **119**, 69–87, [10.1002/2013JA019349](https://doi.org/10.1002/2013JA019349).
- [202] Schwadron, N. A., M. L. Goelzer, C. W. Smith, J. C. Kasper, K. Korreck, R. J. Leamon, S. T. Lepri, B. A. Maruca, D. McComas, and M. L. Stevens (2014), Coronal electron temperature in the protracted solar minimum, the cycle 24 mini maximum, and over centuries, *J. Geophys. Res.*, **119**, 1486–1492, [10.1002/2013JA019397](https://doi.org/10.1002/2013JA019397).
- [203] Schwadron, N. A., J. B. Blake, A. W. Case, C. J. Joyce, J. Kasper, J. Mazur, N. Petro, M. Quinn, J. A. Porter, C. W. Smith, S. Smith, H. E. Spence, L. W. Townsend, R. Turner,

List of Refereed Publications
Wind Spacecraft: 2014

- J. K. Wilson, and C. Zeitlin (2014), Does the worsening galactic cosmic radiation environment observed by CRaTER preclude future manned deep space exploration?, *Space Weather*, **12**, 622–632, [10.1002/2014SW001084](https://doi.org/10.1002/2014SW001084).
- [204] Selzer, L. A., B. Hnat, K. T. Osman, V. M. Nakariakov, J. P. Eastwood, and D. Burgess (2014), Temperature Anisotropy in the Presence of Ultra Low Frequency Waves in the Terrestrial Foreshock, *Astrophys. J. Lett.*, **788**, L5, [10.1088/2041-8205/788/1/L5](https://doi.org/10.1088/2041-8205/788/1/L5).
- [205] Servidio, S., K. T. Osman, F. Valentini, D. Perrone, F. Califano, S. Chapman, W. H. Matthaeus, and P. Veltri (2014), Proton Kinetic Effects in Vlasov and Solar Wind Turbulence, *Astrophys. J. Lett.*, **781**, L27, [10.1088/2041-8205/781/2/L27](https://doi.org/10.1088/2041-8205/781/2/L27).
- [206] Shanmugaraju, A., and S. Prasanna Subramanian (2014), Interacting CMEs and their associated flare and SEP activities, *Astrophys. Space Sci.*, **352**, 385–393, [10.1007/s10509-014-1956-1](https://doi.org/10.1007/s10509-014-1956-1).
- [207] Shanmugaraju, A., S. Prasanna Subramanian, B. Vrsnak, and M. S. Ibrahim (2014), Interaction Between Two CMEs During 14 - 15 February 2011 and Their Unusual Radio Signature, *Solar Phys.*, **289**, 4621–4632, [10.1007/s11207-014-0591-x](https://doi.org/10.1007/s11207-014-0591-x).
- [208] Shen, C., Y. Y. Yang, Z. J. Rong, X. Li, M. Dunlop, C. M. Carr, Z. X. Liu, D. N. Baker, Z. Q. Chen, Y. Ji, and G. Zeng (2014), Direct calculation of the ring current distribution and magnetic structure seen by Cluster during geomagnetic storms, *J. Geophys. Res.*, **119**, 2458–2465, [10.1002/2013JA019460](https://doi.org/10.1002/2013JA019460).
- [209] Shen, C., Y. Wang, Z. Pan, B. Miao, P. Ye, and S. Wang (2014), Full-halo coronal mass ejections: Arrival at the Earth, *J. Geophys. Res.*, **119**, 5107–5116, [10.1002/2014JA020001](https://doi.org/10.1002/2014JA020001).
- [210] Shen, F., C. Shen, J. Zhang, P. Hess, Y. Wang, X. Feng, H. Cheng, and Y. Yang (2014), Evolution of the 12 July 2012 CME from the Sun to the Earth: Data-constrained three-dimensional MHD simulations, *J. Geophys. Res.*, **119**, 7128–7141, [10.1002/2014JA020365](https://doi.org/10.1002/2014JA020365).
- [211] Shi, Q. Q., M. D. Hartinger, V. Angelopoulos, A. M. Tian, S. Y. Fu, Q.-G. Zong, J. M. Weygand, J. Raeder, Z. Y. Pu, X. Z. Zhou, M. W. Dunlop, W. L. Liu, H. Zhang, Z. H. Yao, and X. C. Shen (2014), Solar wind pressure pulse-driven magnetospheric vortices and their global consequences, *J. Geophys. Res.*, **119**, 4274–4280, [10.1002/2013JA019551](https://doi.org/10.1002/2013JA019551).
- [212] Shiokawa, K., Y. Yokoyama, A. Ieda, Y. Miyoshi, R. Nomura, S. Lee, N. Sunagawa, Y. Miyashita, M. Ozaki, K. Ishizaka, S. Yagitani, R. Kataoka, F. Tsuchiya, I. Schofield, and M. Connors (2014), Ground-based ELF/VLF chorus observations at subauroral latitudes—VLF-CHAIN Campaign, *J. Geophys. Res.*, **119**, 7363–7379, [10.1002/2014JA020161](https://doi.org/10.1002/2014JA020161).
- [213] Shiokawa, K., A. Hashimoto, T. Hori, K. Sakaguchi, Y. Ogawa, E. Donovan, E. Spanswick, M. Connors, Y. Otsuka, S.-I. Oyama, S. Nozawa, and K. McWilliams (2014), Auroral fragmentation into patches, *J. Geophys. Res.*, **119**, 8249–8261, [10.1002/2014JA020050](https://doi.org/10.1002/2014JA020050).

List of Refereed Publications
Wind Spacecraft: 2014

- [214] Shiota, D., R. Kataoka, Y. Miyoshi, T. Hara, C. Tao, K. Masunaga, Y. Futaana, and N. Terada (2014), Inner heliosphere MHD modeling system applicable to space weather forecasting for the other planets, *Space Weather*, **12**, 187–204, [10.1002/2013SW000989](https://doi.org/10.1002/2013SW000989).
- [215] Strauss, R. D., and M. S. Potgieter (2014), Is the Highest Cosmic-Ray Flux Yet to Come?, *Solar Phys.*, **289**, 3197–3205, [10.1007/s11207-014-0517-7](https://doi.org/10.1007/s11207-014-0517-7).
- [216] Susino, R., A. Bemporad, and S. Dolei (2014), Three-dimensional Stereoscopic Analysis of a Coronal Mass Ejection and Comparison with UV Spectroscopic Data, *Astrophys. J.*, **790**, 25, [10.1088/0004-637X/790/1/25](https://doi.org/10.1088/0004-637X/790/1/25).
- [217] Takahashi, K., R. E. Denton, M. Hirahara, K. Min, S.-i. Ohtani, and E. Sanchez (2014), Solar cycle variation of plasma mass density in the outer magnetosphere: Magnetoseismic analysis of toroidal standing Alfvén waves detected by Geotail, *J. Geophys. Res.*, **119**, 8338–8356, [10.1002/2014JA020274](https://doi.org/10.1002/2014JA020274).
- [218] Tan, L. C., D. V. Reames, C. K. Ng, X. Shao, and L. Wang (2014), Correlation of Electron Path Lengths Observed in the Highly Wound Outer Region of Magnetic Clouds with the Slab Fraction of Magnetic Turbulence in the Dissipation Range, *Astrophys. J.*, **786**, 122, [10.1088/0004-637X/786/2/122](https://doi.org/10.1088/0004-637X/786/2/122).
- [219] Teh, W.-L., R. Nakamura, H. Karimabadi, W. Baumjohann, and T. L. Zhang (2014), Correlation of core field polarity of magnetotail flux ropes with the IMF B_y : Reconnection guide field dependency, *J. Geophys. Res.*, **119**, 2933–2944, [10.1002/2013JA019454](https://doi.org/10.1002/2013JA019454).
- [220] Temmer, M., A. M. Veronig, V. Peinhart, and B. Vršnak (2014), Asymmetry in the CME-CME Interaction Process for the Events from 2011 February 14-15, *Astrophys. J.*, **785**, 85, [10.1088/0004-637X/785/2/85](https://doi.org/10.1088/0004-637X/785/2/85).
- [221] Thakur, N., N. Gopalswamy, H. Xie, P. Mäkelä, S. Yashiro, S. Akiyama, and J. M. Davila (2014), Ground Level Enhancement in the 2014 January 6 Solar Energetic Particle Event, *Astrophys. J. Lett.*, **790**, L13, [10.1088/2041-8205/790/1/L13](https://doi.org/10.1088/2041-8205/790/1/L13).
- [222] Thomas, S. R., M. J. Owens, and M. Lockwood (2014), The 22-Year Hale Cycle in Cosmic Ray Flux - Evidence for Direct Heliospheric Modulation, *Solar Phys.*, **289**, 407–421, [10.1007/s11207-013-0341-5](https://doi.org/10.1007/s11207-013-0341-5).
- [223] Tokarev, Y. V. (2014), Small-Scale Turbulence of the Earth’s Magnetosheath, *Radio-physics and Quantum Electronics*, **57**, 163–175, [10.1007/s11141-014-9501-1](https://doi.org/10.1007/s11141-014-9501-1).
- [224] Trottet, G., S. Samwel, K.-L. Klein, T. Dudok de Wit, and R. Miteva (2014), Statistical Evidence for Contributions of Flares and Coronal Mass Ejections to Major Solar Energetic Particle Events, *Solar Phys.*, [10.1007/s11207-014-0628-1](https://doi.org/10.1007/s11207-014-0628-1).
- [225] Tsurutani, B. T., E. Echer, K. Shibata, O. P. Verkhoglyadova, A. J. Mannucci, W. D. Gonzalez, J. U. Kozyra, and M. Pätzold (2014), The interplanetary causes of geomagnetic activity during the 7-17 March 2012 interval: a CAWSES II overview, *J. Space Weather Space Clim.*, **4**(27), A02, [10.1051/swsc/2013056](https://doi.org/10.1051/swsc/2013056).

List of Refereed Publications
Wind Spacecraft: 2014

- [226] Tsyganenko, N. A. (2014), Data-based modeling of the geomagnetosphere with an IMF-dependent magnetopause, *J. Geophys. Res.*, **119**, 335–354, [10.1002/2013JA019346](https://doi.org/10.1002/2013JA019346).
- [227] Tsyganenko, N. A., and V. A. Andreeva (2014), On the "bowl-shaped" deformation of planetary equatorial current sheets, *Geophys. Res. Lett.*, **41**, 1079–1084, [10.1002/2014GL059295](https://doi.org/10.1002/2014GL059295).
- [228] Turc, L., D. Fontaine, P. Savoini, and E. K. J. Kilpua (2014), Magnetic clouds' structure in the magnetosheath as observed by Cluster and Geotail: four case studies, *Ann. Geophys.*, **32**, 1247–1261, [10.5194/angeo-32-1247-2014](https://doi.org/10.5194/angeo-32-1247-2014).
- [229] Turner, D. L., V. Angelopoulos, S. K. Morley, M. G. Henderson, G. D. Reeves, W. Li, D. N. Baker, C.-L. Huang, A. Boyd, H. E. Spence, S. G. Claudepierre, J. B. Blake, and J. V. Rodriguez (2014), On the cause and extent of outer radiation belt losses during the 30 September 2012 dropout event, *J. Geophys. Res.*, **119**, 1530–1540, [10.1002/2013JA019446](https://doi.org/10.1002/2013JA019446).
- [230] Turner, D. L., V. Angelopoulos, W. Li, J. Bortnik, B. Ni, Q. Ma, R. M. Thorne, S. K. Morley, M. G. Henderson, G. D. Reeves, M. Usanova, I. R. Mann, S. G. Claudepierre, J. B. Blake, D. N. Baker, C.-L. Huang, H. Spence, W. Kurth, C. Kletzing, and J. V. Rodriguez (2014), Competing source and loss mechanisms due to wave-particle interactions in Earth's outer radiation belt during the 30 September to 3 October 2012 geomagnetic storm, *J. Geophys. Res.*, **119**, 1960–1979, [10.1002/2014JA019770](https://doi.org/10.1002/2014JA019770).
- [231] Usmanov, A. V., M. L. Goldstein, and W. H. Matthaeus (2014), Three-fluid, Three-dimensional Magnetohydrodynamic Solar Wind Model with Eddy Viscosity and Turbulent Resistivity, *Astrophys. J.*, **788**, 43, [10.1088/0004-637X/788/1/43](https://doi.org/10.1088/0004-637X/788/1/43).
- [232] Valek, P. W., J. Goldstein, D. J. McComas, M.-C. Fok, and D. G. Mitchell (2014), Large magnetic storms as viewed by TWINS: A study of the differences in the medium energy ENA composition, *J. Geophys. Res.*, **119**, 2819–2835, [10.1002/2014JA019782](https://doi.org/10.1002/2014JA019782).
- [233] Varsani, A., C. J. Owen, A. N. Fazakerley, C. Forsyth, A. P. Walsh, M. André, I. Dandouras, and C. M. Carr (2014), Cluster observations of the substructure of a flux transfer event: analysis of high-time-resolution particle data, *Ann. Geophys.*, **32**, 1093–1117, [10.5194/angeo-32-1093-2014](https://doi.org/10.5194/angeo-32-1093-2014).
- [234] Vasanth, V., S. Umapathy, B. Vršnak, T. Žic, and O. Prakash (2014), Investigation of the Coronal Magnetic Field Using a Type II Solar Radio Burst, *Solar Phys.*, **289**, 251–261, [10.1007/s11207-013-0318-4](https://doi.org/10.1007/s11207-013-0318-4).
- [235] Verma, P. L., S. Soni, and A. K. Pimpalker (2014), Coronal Mass Ejections and Disturbances in Solar Wind Plasma Parameters in Relation With Short Term Asymmetric Cosmic Ray Intensity Decreases, *J. Phys. Conf. Ser.*, **511**(1), 012056, [10.1088/1742-6596/511/1/012056](https://doi.org/10.1088/1742-6596/511/1/012056).

List of Refereed Publications
Wind Spacecraft: 2014

- [236] Verma, P. L., O. Tripathi, and A. K. Vishwkarma (2014), Symmetrie Cosmic Ray Intensity Decreases in Relation with Coronal Mass Ejections and Disturbances In Solar Wind Plasma Parameters, *J. Phys. Conf. Ser.*, **511**(1), 012058, [10.1088/1742-6596/511/1/012058](https://doi.org/10.1088/1742-6596/511/1/012058).
- [237] Verma, P. L., P. Singh, and P. Singh (2014), Coronal Mass Ejections And Disturbances In Solar Wind Plasma Parameters In Relation With Geomagnetic Storms, *J. Phys. Conf. Ser.*, **511**(1), 012060, [10.1088/1742-6596/511/1/012060](https://doi.org/10.1088/1742-6596/511/1/012060).
- [238] Viñas, A. F., P. S. Moya, R. Navarro, and J. A. Araneda (2014), The role of higher-order modes on the electromagnetic whistler-cyclotron wave fluctuations of thermal and non-thermal plasmas, *Phys. Plasmas*, **21**(1), 012902, [10.1063/1.4861865](https://doi.org/10.1063/1.4861865).
- [239] Vidojevic, S. (2014), Shape modeling with family of Pearson distributions: Langmuir waves, *Adv. Space Res.*, **54**, 1326–1330, [10.1016/j.asr.2013.12.027](https://doi.org/10.1016/j.asr.2013.12.027).
- [240] Vincent, F. E., O. Katushkina, L. Ben-Jaffel, W. M. Harris, V. Izmodenov, E. Quémerais, D. Koutroumpa, and J. Clarke (2014), Observations of the Interplanetary Hydrogen during Solar Cycles 23 and 24. What can We Deduce about the Local Interstellar Medium?, *Astrophys. J. Lett.*, **788**, L25, [10.1088/2041-8205/788/2/L25](https://doi.org/10.1088/2041-8205/788/2/L25).
- [241] Volnova, A. A., A. S. Pozanenko, J. Gorosabel, D. A. Perley, D. D. Frederiks, D. A. Kann, V. V. Rumyantsev, V. V. Biryukov, O. Burkhonov, A. J. Castro-Tirado, P. Ferrero, S. V. Golenetskii, S. Klose, V. M. Loznikov, P. Y. Minaev, B. Stecklum, D. S. Svinkin, A. E. Tsvetkova, A. de Ugarte Postigo, and M. V. Ulanov (2014), GRB 051008: a long, spectrally hard dust-obscured GRB in a Lyman-break galaxy at $z \approx 2.8$, *Mon. Not. Roy. Astron. Soc.*, **442**, 2586–2599, [10.1093/mnras/stu999](https://doi.org/10.1093/mnras/stu999).
- [242] Vorburger, A., P. Wurz, S. Barabash, M. Wieser, Y. Futaana, M. Holmström, A. Bhardwaj, and K. Asamura (2014), First direct observation of sputtered lunar oxygen, *J. Geophys. Res.*, **119**, 709–722, [10.1002/2013JA019207](https://doi.org/10.1002/2013JA019207).
- [243] Vörös, Z., G. Facskó, M. Khodachenko, I. Honkonen, P. Janhunen, and M. Palmroth (2014), Windsock memory COnditioned RAM (CO-RAM) pressure effect: Forced reconnection in the Earth’s magnetotail, *J. Geophys. Res.*, **119**, 6273–6293, [10.1002/2014JA019857](https://doi.org/10.1002/2014JA019857).
- [244] Vörös, Z., Y. L. Sasunov, V. S. Semenov, T. V. Zaqarashvili, R. Bruno, and M. Khodachenko (2014), Reconnection Outflow Generated Turbulence in the Solar Wind, *Astrophys. J. Lett.*, **797**, L10, [10.1088/2041-8205/797/1/L10](https://doi.org/10.1088/2041-8205/797/1/L10).
- [245] Vourlidas, A. (2014), The flux rope nature of coronal mass ejections, *Plasma Phys. & Controlled Fusion*, **56**(6), 064001, [10.1088/0741-3335/56/6/064001](https://doi.org/10.1088/0741-3335/56/6/064001).
- [246] Walker, A. D. M., and J. A. E. Stephenson (2014), Identification of the propagation mode of a solar wind wave associated with Pc5 pulsations in the magnetosphere, *Ann. Geophys.*, **32**, 1217–1221, [10.5194/angeo-32-1217-2014](https://doi.org/10.5194/angeo-32-1217-2014).

List of Refereed Publications
Wind Spacecraft: 2014

- [247] Wang, C., J. P. Han, H. Li, Z. Peng, and J. D. Richardson (2014), Solar wind-magnetosphere energy coupling function fitting: Results from a global MHD simulation, *J. Geophys. Res.*, **119**, 6199–6212, [10.1002/2014JA019834](https://doi.org/10.1002/2014JA019834).
- [248] Wang, C.-P., L. R. Lyons, and V. Angelopoulos (2014), Properties of low-latitude mantle plasma in the Earth’s magnetotail: ARTEMIS observations and global MHD predictions, *J. Geophys. Res.*, **119**, 7264–7280, [10.1002/2014JA020060](https://doi.org/10.1002/2014JA020060).
- [249] Wang, C.-P., M. Gkioulidou, L. R. Lyons, X. Xing, and R. A. Wolf (2014), Interchange motion as a transport mechanism for formation of cold-dense plasma sheet, *J. Geophys. Res.*, **119**, 8318–8337, [10.1002/2014JA020251](https://doi.org/10.1002/2014JA020251).
- [250] Wang, L., G. Li, A. Y. Shih, R. P. Lin, and R. F. Wimmer-Schweingruber (2014), Simulation of Energetic Neutral Atoms from Solar Energetic Particles, *Astrophys. J. Lett.*, **793**, L37, [10.1088/2041-8205/793/2/L37](https://doi.org/10.1088/2041-8205/793/2/L37).
- [251] Wang, X., C. Tu, J. He, E. Marsch, and L. Wang (2014), The Influence of Intermittency on the Spectral Anisotropy of Solar Wind Turbulence, *Astrophys. J. Lett.*, **783**, L9, [10.1088/2041-8205/783/1/L9](https://doi.org/10.1088/2041-8205/783/1/L9).
- [252] Wang, Y., B. Wang, C. Shen, F. Shen, and N. Lugaz (2014), Deflected propagation of a coronal mass ejection from the corona to interplanetary space, *J. Geophys. Res.*, **119**, 5117–5132, [10.1002/2013JA019537](https://doi.org/10.1002/2013JA019537).
- [253] Wang, Y.-M. (2014), Solar Cycle Variation of the Sun’s Low-Order Magnetic Multipoles: Heliospheric Consequences, *Space Sci. Rev.*, **186**, 387–407, [10.1007/s11214-014-0051-9](https://doi.org/10.1007/s11214-014-0051-9).
- [254] Wargelin, B. J., M. Kornbleuth, P. L. Martin, and M. Juda (2014), Observation and Modeling of Geocoronal Charge Exchange X-Ray Emission during Solar Wind Gusts, *Astrophys. J.*, **796**, 28, [10.1088/0004-637X/796/1/28](https://doi.org/10.1088/0004-637X/796/1/28).
- [255] Webb, D. F., M. M. Bisi, C. A. de Koning, C. J. Farrugia, B. V. Jackson, L. K. Jian, N. Lugaz, K. Marubashi, C. Möstl, E. P. Romashets, B. E. Wood, and H.-S. Yu (2014), An Ensemble Study of a January 2010 Coronal Mass Ejection (CME): Connecting a Non-obvious Solar Source with Its ICME/Magnetic Cloud, *Solar Phys.*, **289**, 4173–4208, [10.1007/s11207-014-0571-1](https://doi.org/10.1007/s11207-014-0571-1).
- [256] Wiegelmann, T., J. K. Thalmann, and S. K. Solanki (2014), The magnetic field in the solar atmosphere, *Astron. & Astrophys. Rev.*, **22**, 78, [10.1007/s00159-014-0078-7](https://doi.org/10.1007/s00159-014-0078-7).
- [257] Woolsey, L. N., and S. R. Cranmer (2014), Turbulence-driven Coronal Heating and Improvements to Empirical Forecasting of the Solar Wind, *Astrophys. J.*, **787**, 160, [10.1088/0004-637X/787/2/160](https://doi.org/10.1088/0004-637X/787/2/160).
- [258] Xystouris, G., E. Sigala, and H. Mavromichalaki (2014), A Complete Catalogue of High-Speed Solar Wind Streams during Solar Cycle 23, *Solar Phys.*, **289**, 995–1012, [10.1007/s11207-013-0355-z](https://doi.org/10.1007/s11207-013-0355-z).

List of Refereed Publications
Wind Spacecraft: 2014

- [259] Yang, J., F. Toffoletto, G. Lu, and M. Wiltberger (2014), RCM-E and AMIE studies of the Harang reversal formation during a steady magnetospheric convection event, *J. Geophys. Res.*, **119**, 7228–7242, [10.1002/2014JA020207](https://doi.org/10.1002/2014JA020207).
- [260] Yeeram, T., D. Ruffolo, A. Sáiz, N. Kamyran, and T. Nutaro (2014), Corotating Solar Wind Structures and Recurrent Trains of Enhanced Diurnal Variation in Galactic Cosmic Rays, *Astrophys. J.*, **784**, 136, [10.1088/0004-637X/784/2/136](https://doi.org/10.1088/0004-637X/784/2/136).
- [261] Yermolaev, Y. I., I. G. Lodkina, N. S. Nikolaeva, and M. Y. Yermolaev (2014), Influence of the interplanetary driver type on the durations of the main and recovery phases of magnetic storms, *J. Geophys. Res.*, **119**, 8126–8136, [10.1002/2014JA019826](https://doi.org/10.1002/2014JA019826).
- [262] Yokota, S., Y. Saito, K. Asamura, M. N. Nishino, T. I. Yamamoto, H. Tsunakawa, H. Shibuya, M. Matsushima, H. Shimizu, F. Takahashi, M. Fujimoto, and T. Terasawa (2014), Kaguya observation of the ion acceleration around a lunar crustal magnetic anomaly, *Planet. Space Sci.*, **93**, 87–95, [10.1016/j.pss.2014.02.007](https://doi.org/10.1016/j.pss.2014.02.007).
- [263] Yokota, S., T. Tanaka, Y. Saito, K. Asamura, M. N. Nishino, M. Fujimoto, H. Tsunakawa, H. Shibuya, M. Matsushima, H. Shimizu, and F. Takahashi (2014), Structure of the ionized lunar sodium and potassium exosphere: Dawn-dusk asymmetry, *J. Geophys. Res.*, **119**, 798–809, [10.1002/2013JE004529](https://doi.org/10.1002/2013JE004529).
- [264] Yoo, J., M. Yamada, H. Ji, J. Jara-Almonte, and C. E. Myers (2014), Bulk ion acceleration and particle heating during magnetic reconnection in a laboratory plasma, *Phys. Plasmas*, **21**(5), 055706, [10.1063/1.4874331](https://doi.org/10.1063/1.4874331).
- [265] Yu, W., C. J. Farrugia, N. Lugaz, A. B. Galvin, E. K. J. Kilpua, H. Kucharek, C. Möstl, M. Leitner, R. B. Torbert, K. D. C. Simunac, J. G. Luhmann, A. Szabo, L. B. Wilson, K. W. Ogilvie, and J.-A. Sauvaud (2014), A statistical analysis of properties of small transients in the solar wind 2007-2009: STEREO and Wind observations, *J. Geophys. Res.*, **119**, 689–708, [10.1002/2013JA019115](https://doi.org/10.1002/2013JA019115).
- [266] Yu, Y., J. Koller, V. K. Jordanova, S. G. Zaharia, R. W. Friedel, S. K. Morley, Y. Chen, D. Baker, G. D. Reeves, and H. E. Spence (2014), Application and testing of the L* neural network with the self-consistent magnetic field model of RAM-SCB, *J. Geophys. Res.*, **119**, 1683–1692, [10.1002/2013JA019350](https://doi.org/10.1002/2013JA019350).
- [267] Yu, Z.-G., V. Anh, and R. Eastes (2014), Underlying scaling relationships between solar activity and geomagnetic activity revealed by multifractal analyses, *J. Geophys. Res.*, **119**, 7577–7586, [10.1002/2014JA019893](https://doi.org/10.1002/2014JA019893).
- [268] Zaqarashvili, T. V., Z. Vörös, Y. Narita, and R. Bruno (2014), Twisted Magnetic Flux Tubes in the Solar Wind, *Astrophys. J. Lett.*, **783**, L19, [10.1088/2041-8205/783/1/L19](https://doi.org/10.1088/2041-8205/783/1/L19).
- [269] Zhang, X.-Y., and M. B. Moldwin (2014), The source, statistical properties, and geoeffectiveness of long-duration southward interplanetary magnetic field intervals, *J. Geophys. Res.*, **119**, 658–669, [10.1002/2013JA018937](https://doi.org/10.1002/2013JA018937).

List of Refereed Publications
Wind Spacecraft: 2014

- [270] Zhang, Y., A. M. Du, X. S. Feng, W. Sun, Y. D. Liu, C. D. Fry, C. S. Deehr, M. Dryer, B. Zieger, and Y. Q. Xie (2014), Simulated (STEREO) Views of the Solar Wind Disturbances Following the Coronal Mass Ejections of 1 August 2010, *Solar Phys.*, **289**, 319–338, [10.1007/s11207-013-0319-3](https://doi.org/10.1007/s11207-013-0319-3).
- [271] Zhao, L.-L., G. Qin, M. Zhang, and B. Heber (2014), Modulation of galactic cosmic rays during the unusual solar minimum between cycles 23 and 24, *J. Geophys. Res.*, **119**, 1493–1506, [10.1002/2013JA019550](https://doi.org/10.1002/2013JA019550).
- [272] Zhima, Z., J. Cao, W. Liu, H. Fu, T. Wang, X. Zhang, and X. Shen (2014), Storm time evolution of ELF/VLF waves observed by DEMETER satellite, *J. Geophys. Res.*, **119**, 2612–2622, [10.1002/2013JA019237](https://doi.org/10.1002/2013JA019237).
- [273] Zucca, P., M. Pick, P. Démoulin, A. Kerdraon, A. Lecacheux, and P. T. Gallagher (2014), Understanding Coronal Mass Ejections and Associated Shocks in the Solar Corona by Merging Multiwavelength Observations, *Astrophys. J.*, **795**, 68, [10.1088/0004-637X/795/1/68](https://doi.org/10.1088/0004-637X/795/1/68).