

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

## References

- [1] Abbott, B., R. Abbott, R. Adhikari, A. Ageev, B. Allen, R. Amin, S. B. Anderson, W. G. Anderson, M. Araya, H. Armandula, and et al. (2005), Search for gravitational waves associated with the gamma ray burst GRB030329 using the LIGO detectors, *Phys. Rev. D*, **72**, 042,002–+, [10.1103/PhysRevD.72.042002](https://doi.org/10.1103/PhysRevD.72.042002).
- [2] Abdu, M. A., I. S. Batista, A. J. Carrasco, and C. G. M. Brum (2005), South Atlantic magnetic anomaly ionization: A review and a new focus on electrodynamic effects in the equatorial ionosphere, *J. Atmos. Solar-Terr. Phys.*, **67**, 1643–1657, [10.1016/j.jastp.2005.01.014](https://doi.org/10.1016/j.jastp.2005.01.014).
- [3] Aguilar-Rodriguez, E., N. Gopalswamy, R. MacDowall, S. Yashiro, and M. I. Kaiser (2005), A Study of the Drift Rate of Type II Radio Bursts at Different Wavelengths, in *Solar Wind 11/SOHO 16, Connecting Sun and Heliosphere, ESA Special Publication*, vol. 592, edited by B. Fleck, T. H. Zurbuchen, & H. Lacoste, pp. 393–+.
- [4] Aguilar-Rodriguez, E., N. Gopalswamy, R. MacDowall, S. Yashiro, and M. L. Kaiser (2005), A universal characteristic of type II radio bursts, *J. Geophys. Res.*, **110**, A12S08, [10.1029/2005JA011171](https://doi.org/10.1029/2005JA011171).
- [5] Anagnostopoulos, G. C., D. Efthymiadis, E. T. Sarris, and S. M. Krimigis (2005), Evidence and features of magnetospheric particle leakage on days 30–36, 1995: Wind, Geotail, and IMP 8 observations compared, *J. Geophys. Res.*, **110**, A10,203, [10.1029/2004JA010827](https://doi.org/10.1029/2004JA010827).
- [6] Arge, C. N., G. de Toma, and J. G. Luhmann (2005), Comparison of the Stream Structure and Coronal Sources of the Solar Wind During the April 7 & May 12, 1997 Halo CMEs, in *Large-scale Structures and their Role in Solar Activity, Astronomical Society of the Pacific Conference Series*, vol. 346, edited by K. Sankarasubramanian, M. Penn, & A. Pevtsov, pp. 371–+.
- [7] Arnold, N. (2005), London MIST 2004, *Astron. Geophys.*, **46**, 030,000–3, [10.1111/j.1468-4004.2005.46336.x](https://doi.org/10.1111/j.1468-4004.2005.46336.x).
- [8] Arnoldy, R. L., M. J. Engebretson, R. E. Denton, J. L. Posch, M. R. Lessard, N. C. Maynard, D. M. Ober, C. J. Farrugia, C. T. Russell, J. D. Scudder, R. B. Torbert, S.-H. Chen, and T. E. Moore (2005), Pc 1 waves and associated unstable distributions of magnetospheric protons observed during a solar wind pressure pulse, *J. Geophys. Res.*, **110**, A07,229, [10.1029/2005JA011041](https://doi.org/10.1029/2005JA011041).
- [9] Ashmall, J., and J. Richardson (2005), Comparison of Voyager Shocks in Solar Cycle 23, in *The Physics of Collisionless Shocks: 4th Annual IGPP International Astrophysics Conference, American Institute of Physics Conference Series*, vol. 781, edited by G. Li, G. P. Zank, & C. T. Russell, pp. 299–303, [10.1063/1.2032713](https://doi.org/10.1063/1.2032713).
- [10] Bastian, T. S., and D. E. Gary (2005), Low Frequency Solar Radiophysics and Next Generation Instrumentation, in *From Clark Lake to the Long Wavelength Array: Bill*

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

*Erickson's Radio Science, Astronomical Society of the Pacific Conference Series*, vol. 345, edited by N. Kassim, M. Perez, W. Junor, & P. Henning, pp. 142–+.

- [11] Bobrovnikov, S. Y., I. I. Alexeev, E. S. Belenkaya, V. V. Kalegaev, C.-R. Clauer, and Y. I. Feldstein (2005), Case study of September 24–26, 1998 magnetic storm, *Adv. Space Res.*, **36**, 2428–2433, [10.1016/j.asr.2003.11.023](https://doi.org/10.1016/j.asr.2003.11.023).
- [12] Borälv, E., H. J. Opgenoorth, K. Kauristie, M. Lester, J.-M. Bosqued, J. P. Dewhurst, C. J. Owen, M. Dunlop, J. A. Slavin, A. Fazakerley, and C. Perry (2005), Correlation between ground-based observations of substorm signatures and magnetotail dynamics, *Ann. Geophys.*, **23**, 997–1011, [10.5194/angeo-23-997-2005](https://doi.org/10.5194/angeo-23-997-2005).
- [13] Borodkova, N., G. Zastenker, M. Riazantseva, and J. Richardson (2005), Large and sharp solar wind dynamic pressure variations as a source of geomagnetic field disturbances at the geosynchronous orbit, *Planet. Space Sci.*, **53**, 25–32, [10.1016/j.pss.2004.09.025](https://doi.org/10.1016/j.pss.2004.09.025).
- [14] Boudjada, M. Y., W. Macher, H. O. Rucker, and G. Fischer (2005), Solar Orbiter: Physical aspects towards a better knowledge of the solar corona, *Adv. Space Res.*, **36**, 1439–1443, [10.1016/j.asr.2005.05.118](https://doi.org/10.1016/j.asr.2005.05.118).
- [15] Boudouridis, A., E. Zesta, L. R. Lyons, P. C. Anderson, and D. Lummerzheim (2005), Enhanced solar wind geoeffectiveness after a sudden increase in dynamic pressure during southward IMF orientation, *J. Geophys. Res.*, **110**, A05,214, [10.1029/2004JA010704](https://doi.org/10.1029/2004JA010704).
- [16] Brown, J. C., and E. P. Kontar (2005), Problems and progress in flare fast particle diagnostics, *Adv. Space Res.*, **35**, 1675–1682, [10.1016/j.asr.2005.03.020](https://doi.org/10.1016/j.asr.2005.03.020).
- [17] Bruno, R., V. Carbone, B. Bavassano, and L. Sorriso-Valvo (2005), Observations of magnetohydrodynamic turbulence in the 3D heliosphere, *Adv. Space Res.*, **35**, 939–950, [10.1016/j.asr.2005.01.106](https://doi.org/10.1016/j.asr.2005.01.106).
- [18] Cairns, I. H., and B. F. McMillan (2005), Electron acceleration by lower hybrid waves in magnetic reconnection regions, *Phys. Plasmas*, **12**, 102,110–+, [10.1063/1.2080567](https://doi.org/10.1063/1.2080567).
- [19] Cane, H. V., and W. C. Erickson (2005), Solar Type II Radio Bursts and IP Type II Events, *Astrophys. J.*, **623**, 1180–1194, [10.1086/428820](https://doi.org/10.1086/428820).
- [20] Cane, H. V., and W. C. Erickson (2005), Studies of Space Weather Using Solar Radio Bursts, in *From Clark Lake to the Long Wavelength Array: Bill Erickson's Radio Science, Astronomical Society of the Pacific Conference Series*, vol. 345, edited by N. Kassim, M. Perez, W. Junor, & P. Henning, pp. 133–+.
- [21] Cantó, J., R. F. González, A. C. Raga, E. M. de Gouveia Dal Pino, A. Lara, and J. A. González-Esparza (2005), The dynamics of velocity fluctuations in the solar wind - I. Coronal mass ejections, *Mon. Not. Roy. Astron. Soc.*, **357**, 572–578, [10.1111/j.1365-2966.2005.08670.x](https://doi.org/10.1111/j.1365-2966.2005.08670.x).

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [22] Chen, J., T. A. Fritz, and R. B. Sheldon (2005), Multiple spacecraft observations of energetic ions during a high solar wind pressure event, *J. Geophys. Res.*, **110**, A11,212, [10.1029/2005JA011043](https://doi.org/10.1029/2005JA011043).
- [23] Ciaravella, A., J. C. Raymond, S. W. Kahler, A. Vourlidas, and J. Li (2005), Detection and Diagnostics of a Coronal Shock Wave Driven by a Partial-Halo Coronal Mass Ejection on 2000 June 28, *Astrophys. J.*, **621**, 1121–1128, [10.1086/427619](https://doi.org/10.1086/427619).
- [24] Cline, D. B., B. Czerny, C. Matthey, A. Janiuk, and S. Otwinowski (2005), Study of Very Short Gamma-Ray Bursts: New Results from BATSE and Konus, *Astrophys. J.*, **633**, L73–L76, [10.1086/498567](https://doi.org/10.1086/498567).
- [25] Cliver, E. W., B. J. Thompson, G. R. Lawrence, A. N. Zhukov, A. J. Tylka, W. F. Dietrich, D. V. Reames, M. J. Reiner, R. MacDowall, A. G. Kosovichev, and A. G. Ling (2005), The Solar Energetic Particle Event of 16 August 2001:  $\sim 400$  MeV Protons Following an Eruption at  $\sim W180$ , in *International Cosmic Ray Conference, International Cosmic Ray Conference*, vol. 1, pp. 121–+.
- [26] Coco, I., E. Amata, M. F. Marcucci, M. de Laurentis, J. P. Villain, C. Hanuise, and M. Candidi (2005), Effects on SuperDARN HF radar echoes of sudden impulses of solar wind dynamic pressure, *Ann. Geophys.*, **23**, 1771–1783, [10.5194/angeo-23-1771-2005](https://doi.org/10.5194/angeo-23-1771-2005).
- [27] Coleman, I. J. (2005), A multi-spacecraft survey of magnetic field line draping in the dayside magnetosheath, *Ann. Geophys.*, **23**, 885–900, [10.5194/angeo-23-885-2005](https://doi.org/10.5194/angeo-23-885-2005).
- [28] Collier, M. R., T. E. Moore, S. L. Snowden, and K. D. Kuntz (2005), One-up on L1: Can X-rays provide longer advanced warning of solar wind flux enhancements than upstream monitors?, *Adv. Space Res.*, **35**, 2157–2161, [10.1016/j.asr.2005.02.035](https://doi.org/10.1016/j.asr.2005.02.035).
- [29] D’Amicis, R., R. Bruno, B. Bavassano, V. Carbone, and L. Sorriso-Valvo (2005), Some Aspects of Waiting Time Statistics of Interplanetary Magnetic Field Fluctuations: Focusing on Bs, in *Solar Wind 11/SOHO 16, Connecting Sun and Heliosphere, ESA Special Publication*, vol. 592, edited by B. Fleck, T. H. Zurbuchen, & H. Lacoste, pp. 479–+.
- [30] Dasso, S., C. H. Mandrini, M. L. Luoni, A. M. Gulisano, M. S. Nakwacki, S. Pohjolainen, L. van Driel-Gesztelyi, and P. Démoulin (2005), Linking Coronal to Heliospheric Magnetic Helicity: A New Model-Independent Technique to Compute Helicity in Magnetic Clouds, in *Solar Wind 11/SOHO 16, Connecting Sun and Heliosphere, ESA Special Publication*, vol. 592, edited by B. Fleck, T. H. Zurbuchen, & H. Lacoste, pp. 605–+.
- [31] Dasso, S., A. M. Gulisano, C. H. Mandrini, and P. Démoulin (2005), Model-independent large-scale magnetohydrodynamic quantities in magnetic clouds, *Adv. Space Res.*, **35**, 2172–2177, [10.1016/j.asr.2005.03.054](https://doi.org/10.1016/j.asr.2005.03.054).
- [32] Dasso, S., C. H. Mandrini, A. M. Gulisano, and P. Démoulin (2005), A Direct Method to Estimate Magnetic Helicity in Magnetic Clouds, in *Coronal and Stellar Mass Ejections, IAU Symposium*, vol. 226, edited by K. Dere, J. Wang, & Y. Yan, pp. 403–408, [10.1017/S1743921305000931](https://doi.org/10.1017/S1743921305000931).

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [33] Dauphin, C., N. Vilmer, T. Lüthi, G. Trottet, S. Krucker, and A. Magun (2005), Modulations of broad-band radio continua and X-ray emissions in the large X-ray flare on 03 November 2003, *Adv. Space Res.*, **35**, 1805–1812, [10.1016/j.asr.2005.04.092](https://doi.org/10.1016/j.asr.2005.04.092).
- [34] Dobрева, P. S., M. D. Kartalev, N. N. Shevyrev, and G. N. Zastenker (2005), Comparison of a new magnetosphere magnetosheath model with Interball-1 magnetosheath plasma measurements, *Planet. Space Sci.*, **53**, 117–125, [10.1016/j.pss.2004.09.035](https://doi.org/10.1016/j.pss.2004.09.035).
- [35] Dorotovič, I., and Z. Vörös (2005), On the Earth’s Plasma Sheet Response to the Magnetic Turbulence in the Solar Wind, in *The Dynamic Sun: Challenges for Theory and Observations*, *ESA Special Publication*, vol. 600.
- [36] Dröge, W. (2005), Probing heliospheric diffusion coefficients with solar energetic particles, *Adv. Space Res.*, **35**, 532–542, [10.1016/j.asr.2004.12.007](https://doi.org/10.1016/j.asr.2004.12.007).
- [37] Du, A., W. Sun, W. Xu, and X. Gao (2005), The frequency variation of Pc5 ULF waves during a magnetic storm, *Earth, Planets, and Space*, **57**, 619–625.
- [38] Eastwood, J. P., E. A. Lucek, C. Mazelle, K. Meziane, Y. Narita, J. Pickett, and R. A. Treumann (2005), The Foreshock, *Space Sci. Rev.*, **118**, 41–94, [10.1007/s11214-005-3824-3](https://doi.org/10.1007/s11214-005-3824-3).
- [39] Echer, E., W. D. Gonzalez, A. Dal Lago, L. E. A. Vieira, F. L. Guarnieri, A. L. C. Gonzalez, and N. J. Schuch (2005), Interplanetary shocks and sudden impulses during solar maximum (2000) and solar minimum (1995-1996), *Adv. Space Res.*, **36**, 2313–2317, [10.1016/j.asr.2005.04.030](https://doi.org/10.1016/j.asr.2005.04.030).
- [40] Egedal, J., M. Øieroset, W. Fox, and R. P. Lin (2005), In Situ Discovery of an Electrostatic Potential, Trapping Electrons and Mediating Fast Reconnection in the Earth’s Magnetotail, *Phys. Rev. Lett.*, **94**, 025,006–+, [10.1103/PhysRevLett.94.025006](https://doi.org/10.1103/PhysRevLett.94.025006).
- [41] Egedal, J., W. Fox, M. Porkolab, and A. Fasoli (2005), Eigenmode response to driven magnetic reconnection in a collisionless plasma, *Phys. Plasmas*, **12**, 052,107–+, [10.1063/1.1898205](https://doi.org/10.1063/1.1898205).
- [42] Farrugia, C. J., F. T. Gratton, G. Gnavi, H. Matsui, R. B. Torbert, D. H. Fairfield, K. W. Ogilvie, R. P. Lepping, T. Terasawa, T. Mukai, and Y. Saito (2005), Magnetosheath waves under very low solar wind dynamic pressure: Wind/Geotail observations, *Ann. Geophys.*, **23**, 1317–1333, [10.5194/angeo-23-1317-2005](https://doi.org/10.5194/angeo-23-1317-2005).
- [43] Farrugia, C. J., H. Matsui, H. Kucharek, R. B. Torbert, C. W. Smith, V. K. Jordanova, K. W. Ogilvie, R. P. Lepping, D. B. Berdichevsky, T. Terasawa, J. Kasper, T. Mukai, Y. Saito, and R. Skoug (2005), Interplanetary coronal mass ejection and ambient interplanetary magnetic field correlations during the Sun-Earth connection events of October-November 2003, *J. Geophys. Res.*, **110**, A09S13, [10.1029/2004JA010968](https://doi.org/10.1029/2004JA010968).
- [44] Farrugia, C. J., H. Kucharek, H. Matsui, R. B. Torbert, M. Leitner, K. W. Ogilvie, R. P. Lepping, C. W. Smith, Skoug. R., T. Terasawa, T. Mukai, and Y. Salto (2005), Cross-Correlation of Interplanetary Parameters for Large X (450 Re) Separation: Dependence on

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- Interplanetary Structure, in *Solar Wind 11/SOHO 16, Connecting Sun and Heliosphere, ESA Special Publication*, vol. 592, edited by B. Fleck, T. H. Zurbuchen, & H. Lacoste, pp. 719–+.
- [45] Farrugia, C. J., M. Leiter, H. K. Biernat, R. Schwenn, K. W. Ogilvie, H. Matsuil, H. Kucharek, V. K. Jordanova, and R. P. Lepping (2005), Evolution of Interplanetary Magnetic Clouds from 0.3 AU to 1 AU: A Joint Helios-Wind Investigation, in *Solar Wind 11/SOHO 16, Connecting Sun and Heliosphere, ESA Special Publication*, vol. 592, edited by B. Fleck, T. H. Zurbuchen, & H. Lacoste, p. 723.
- [46] Fry, C., S. Akasofu, A. Aran, C. Deehr, T. Detman, M. Dryer, D. Lario, B. Sanahuja, Z. Smith, and W. Sun (2005), Key Links to Space Weather: Forecasting Solar-Generated Shocks and Proton Acceleration, *AIAA Journal*, **43**, 987–993, [10.2514/1.11470](https://doi.org/10.2514/1.11470).
- [47] Galopeau, P. H. M., and M. Y. Boudjada (2005), Solar wind control of Jovian auroral emissions, *J. Geophys. Res.*, **110**, A09,221, [10.1029/2004JA010843](https://doi.org/10.1029/2004JA010843).
- [48] Ganushkina, N. Y., T. I. Pulkkinen, and T. Fritz (2005), Role of substorm-associated impulsive electric fields in the ring current development during storms, *Ann. Geophys.*, **23**, 579–591, [10.5194/angeo-23-579-2005](https://doi.org/10.5194/angeo-23-579-2005).
- [49] Ganushkina, N. Y., T. I. Pulkkinen, M. V. Kubyshkina, V. A. Sergeev, E. A. Lvova, T. A. Yahnina, A. G. Yahnin, and T. Fritz (2005), Proton isotropy boundaries as measured on mid- and low-altitude satellites, *Ann. Geophys.*, **23**, 1839–1847, [10.5194/angeo-23-1839-2005](https://doi.org/10.5194/angeo-23-1839-2005).
- [50] Georgieva, K., and B. Kirov (2005), Helicity of Magnetic Clouds and Solar Cycle Variations of their Geoeffectiveness, in *Coronal and Stellar Mass Ejections, IAU Symposium*, vol. 226, edited by K. Dere, J. Wang, & Y. Yan, pp. 470–472, [10.1017/S1743921305001079](https://doi.org/10.1017/S1743921305001079).
- [51] Georgieva, K., B. Kirov, D. Atanassov, and A. Boneva (2005), Impact of magnetic clouds on the middle atmosphere and geomagnetic disturbances, *J. Atmos. Solar-Terr. Phys.*, **67**, 163–176, [10.1016/j.jastp.2004.07.025](https://doi.org/10.1016/j.jastp.2004.07.025).
- [52] Georgieva, K., B. Kirov, J. Javaraiah, and R. Krasteva (2005), Solar rotation and solar wind magnetosphere coupling, *Planet. Space Sci.*, **53**, 197–207, [10.1016/j.pss.2004.09.045](https://doi.org/10.1016/j.pss.2004.09.045).
- [53] Goldstein, M. L., J. P. Eastwood, R. A. Treumann, E. A. Lucek, J. Pickett, and P. Décréau (2005), The Near-Earth Solar Wind, *Space Sci. Rev.*, **118**, 7–39, [10.1007/s11214-005-3823-4](https://doi.org/10.1007/s11214-005-3823-4).
- [54] Gómez-Herrero, R., L. Del Peral, M. D. Rodríguez-Frías, J. Gutiérrez, R. Muller-Mellin, and H. Kunow (2005), Temporal profiles of solar energetic particle events from SOHO/EPHIN data, *Adv. Space Res.*, **35**, 617–624, [10.1016/j.asr.2005.01.044](https://doi.org/10.1016/j.asr.2005.01.044).
- [55] Gopalswamy, N., S. Yashiro, G. Michalek, H. Xie, R. P. Lepping, and R. A. Howard (2005), Solar source of the largest geomagnetic storm of cycle 23, *Geophys. Res. Lett.*, **321**, L12S09, [10.1029/2004GL021639](https://doi.org/10.1029/2004GL021639).

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [56] Gopalswamy, N., E. Aguilar-Rodriguez, S. Yashiro, S. Nunes, M. L. Kaiser, and R. A. Howard (2005), Type II radio bursts and energetic solar eruptions, *J. Geophys. Res.*, **110**, A12S07, [10.1029/2005JA011158](https://doi.org/10.1029/2005JA011158).
- [57] Gopalswamy, N., A. Lara, P. K. Manoharan, and R. A. Howard (2005), An empirical model to predict the 1-AU arrival of interplanetary shocks, *Adv. Space Res.*, **36**, 2289–2294, [10.1016/j.asr.2004.07.014](https://doi.org/10.1016/j.asr.2004.07.014).
- [58] Guessoum, N., P. Jean, and W. Gillard (2005), The lives and deaths of positrons in the interstellar medium, *Astron. & Astrophys.*, **436**, 171–185, [10.1051/0004-6361:20042454](https://doi.org/10.1051/0004-6361:20042454).
- [59] Guidorzi, C., F. Frontera, E. Montanari, F. Rossi, L. Amati, A. Gomboc, K. Hurley, and C. G. Mundell (2005), The gamma-ray burst variability-peak luminosity correlation: new results, *Mon. Not. Roy. Astron. Soc.*, **363**, 315–325, [10.1111/j.1365-2966.2005.09450.x](https://doi.org/10.1111/j.1365-2966.2005.09450.x).
- [60] Gulisano, A. M., S. Dasso, C. H. Mandrini, and P. Démoulin (2005), Large Scale Properties of Magnetic Clouds: Different Approaches to Estimate their Orientation and Impact Parameter, in *Solar Wind 11/SOHO 16, Connecting Sun and Heliosphere, ESA Special Publication*, vol. 592, edited by B. Fleck, T. H. Zurbuchen, & H. Lacoste, pp. 621–+.
- [61] Gulisano, A. M., S. Dasso, C. H. Mandrini, and P. Démoulin (2005), Magnetic clouds: A statistical study of magnetic helicity, *J. Atmos. Solar-Terr. Phys.*, **67**, 1761–1766, [10.1016/j.jastp.2005.02.026](https://doi.org/10.1016/j.jastp.2005.02.026).
- [62] Gunell, H., M. Holmström, E. Kallio, P. Janhunen, and K. Dennerl (2005), Simulations of X-rays from solar wind charge exchange at Mars: Parameter dependence, *Adv. Space Res.*, **36**, 2057–2065, [10.1016/j.asr.2005.06.007](https://doi.org/10.1016/j.asr.2005.06.007).
- [63] Halekas, J. S., S. D. Bale, D. L. Mitchell, and R. P. Lin (2005), Electrons and magnetic fields in the lunar plasma wake, *J. Geophys. Res.*, **110**, A07,222, [10.1029/2004JA010991](https://doi.org/10.1029/2004JA010991).
- [64] Hayosh, M., J. Šafránková, Z. Němeček, L. Přech, K. Kudela, and G. N. Zastenker (2005), Relationship between high-energy particles and ion flux in the magnetosheath, *Planet. Space Sci.*, **53**, 103–115, [10.1016/j.pss.2004.09.034](https://doi.org/10.1016/j.pss.2004.09.034).
- [65] Hayosh, M., Z. Němeček, J. Šafránková, and G. N. Zastenker (2005), Variations of the magnetosheath ion flux and geomagnetic activity, *Adv. Space Res.*, **36**, 2417–2422, [10.1016/j.asr.2003.08.082](https://doi.org/10.1016/j.asr.2003.08.082).
- [66] Hidalgo, M. A., I. R. Cantalapiedra, J. Sequeiros, C. Cid, and T. Nieves-Chinchilla (2005), The relationship between the recovery phase of geomagnetic storms and the magnetic clouds, *Adv. Space Res.*, **35**, 426–428, [10.1016/j.asr.2005.03.118](https://doi.org/10.1016/j.asr.2005.03.118).
- [67] Hnat, B., S. C. Chapman, and G. Rowlands (2005), Scaling and a Fokker-Planck model for fluctuations in geomagnetic indices and comparison with solar wind  $\epsilon$  as seen by Wind and ACE, *J. Geophys. Res.*, **110**, A08,206, [10.1029/2004JA010824](https://doi.org/10.1029/2004JA010824).

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [68] Hnat, B., S. C. Chapman, and G. Rowlands (2005), Erratum: Intermittency, scaling, and the Fokker-Planck approach to fluctuations of the solar wind bulk plasma parameters as seen by the WIND spacecraft [Phys. Rev. E 67, 056404 (2003)], *Phys. Rev. E*, **72**, 029,902–+, [10.1103/PhysRevE.72.029902](https://doi.org/10.1103/PhysRevE.72.029902).
- [69] Hnat, B., S. C. Chapman, and G. Rowlands (2005), Publisher’s Note: Erratum: Intermittency, scaling, and the Fokker-Planck approach to fluctuations of the solar wind bulk plasma parameters as seen by the WIND spacecraft [Phys. Rev. E 67, 056404 (2003); Phys. Rev. E 72, 029902(E) (2005)], *Phys. Rev. E*, **72**, 049,902–+, [10.1103/PhysRevE.72.049902](https://doi.org/10.1103/PhysRevE.72.049902).
- [70] Ho, G. C., D. Lario, R. B. Decker, M. I. Desai, Q. Hu, J. Kasper, and A.-F. Viñas (2005), Multi-Spacecraft Observations of Interplanetary Shock Accelerated Particle Events, in *Solar Wind 11/SOHO 16, Connecting Sun and Heliosphere, ESA Special Publication*, vol. 592, edited by B. Fleck, T. H. Zurbuchen, & H. Lacoste, pp. 421–+.
- [71] Hochedez, J.-F., A. Zhukov, E. Robbrecht, R. van der Linden, D. Berghmans, P. Vanlommel, A. Theissen, and F. Clette (2005), Solar weather monitoring, *Ann. Geophys.*, **23**, 3149–3161, [10.5194/angeo-23-3149-2005](https://doi.org/10.5194/angeo-23-3149-2005).
- [72] Hori, T., A. T. Y. Lui, S. Ohtani, P. C:son Brandt, B. H. Mauk, R. W. McEntire, K. Maezawa, T. Mukai, Y. Kasaba, and H. Hayakawa (2005), Storm-time convection electric field in the near-Earth plasma sheet, *J. Geophys. Res.*, **110**, A04,213, [10.1029/2004JA010449](https://doi.org/10.1029/2004JA010449).
- [73] Howard, T. A., and F. W. Menk (2005), Ground observations of high-latitude Pc3-4 ULF waves, *J. Geophys. Res.*, **110**, A04,205, [10.1029/2004JA010417](https://doi.org/10.1029/2004JA010417).
- [74] Howard, T. A., and S. J. Tappin (2005), Statistical survey of earthbound interplanetary shocks, associated coronal mass ejections and their space weather consequences, *Astron. & Astrophys.*, **440**, 373–383, [10.1051/0004-6361:20053109](https://doi.org/10.1051/0004-6361:20053109).
- [75] Hu, Q., C. W. Smith, N. F. Ness, and R. M. Skoug (2005), On the magnetic topology of October/November 2003 events, *J. Geophys. Res.*, **110**, A09S03, [10.1029/2004JA010886](https://doi.org/10.1029/2004JA010886).
- [76] Huang, C.-S., J. C. Foster, L. P. Goncharenko, P. J. Erickson, W. Rideout, and A. J. Coster (2005), A strong positive phase of ionospheric storms observed by the Millstone Hill incoherent scatter radar and global GPS network, *J. Geophys. Res.*, **110**, A06,303, [10.1029/2004JA010865](https://doi.org/10.1029/2004JA010865).
- [77] Huang, C.-S., G. D. Reeves, G. Le, and K. Yumoto (2005), Are sawtooth oscillations of energetic plasma particle fluxes caused by periodic substorms or driven by solar wind pressure enhancements?, *J. Geophys. Res.*, **110**, A07,207, [10.1029/2005JA011018](https://doi.org/10.1029/2005JA011018).
- [78] Huang, C.-S., J. C. Foster, K. Yumoto, J. L. Chau, and O. Veliz (2005), Prompt effects of solar wind variations on the inner magnetosphere and midlatitude ionosphere, *Adv. Space Res.*, **36**, 2407–2412, [10.1016/j.asr.2003.09.069](https://doi.org/10.1016/j.asr.2003.09.069).

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [79] Huang, K. Y., Y. Urata, A. V. Filippenko, J. H. Hu, W. H. Ip, P. H. Kuo, W. Li, H. C. Lin, Z. Y. Lin, K. Makishima, K. Onda, Y. Qiu, and T. Tamagawa (2005), Optical Afterglow Observations of the Unusual Short-Duration Gamma-Ray Burst GRB 040924, *Astrophys. J.*, **628**, L93–L96, [10.1086/432612](https://doi.org/10.1086/432612).
- [80] Hurley, K., B. Stern, J. Kommers, T. Cline, E. Mazets, S. Golenetskii, J. Trombka, T. McClanahan, J. Goldsten, M. Feroci, F. Frontera, C. Guidorzi, E. Montanari, W. Lewin, C. Meegan, G. Fishman, C. Kouveliotou, S. Sinha, and S. Seetha (2005), The Interplanetary Network Supplement to the BATSE Catalogs of Untriggered Cosmic Gamma-Ray Bursts, *Astrophys. J. Suppl.*, **156**, 217–226, [10.1086/426671](https://doi.org/10.1086/426671).
- [81] Hurley, K., S. E. Boggs, D. M. Smith, R. C. Duncan, R. Lin, A. Zoglauer, S. Krucker, G. Hurford, H. Hudson, C. Wigger, W. Hajdas, C. Thompson, I. Mitrofanov, A. Sanin, W. Boynton, C. Fellows, A. von Kienlin, G. Lichti, A. Rau, and T. Cline (2005), An exceptionally bright flare from SGR 1806-20 and the origins of short-duration  $\gamma$ -ray bursts, *Nature*, **434**, 1098–1103, [10.1038/nature03519](https://doi.org/10.1038/nature03519).
- [82] Hurley, K., M. Briggs, R. M. Kippen, C. Kouveliotou, C. M. G. Fishman, T. Cline, J. Trombka, T. McClanahan, M. B. B. Stern, J. Kommers, E. Mazets, S. Golenetskii, J. G. M. Feroci, F. Frontera, C. Guidorzi, E. Montanari, W. L. S. Sinha, and S. Seetha (2005), The interplanetary network supplements to the BATSE 5B and untriggered burst catalogs, *Nuovo Cimento C Geophys. Space Phys. C*, **28**, 299, [10.1393/ncc/i2005-10044-2](https://doi.org/10.1393/ncc/i2005-10044-2).
- [83] Huttunen, K. E. J., R. Schwenn, V. Bothmer, and H. E. J. Koskinen (2005), Properties and geoeffectiveness of magnetic clouds in the rising, maximum and early declining phases of solar cycle 23, *Ann. Geophys.*, **23**, 625–641, [10.5194/angeo-23-625-2005](https://doi.org/10.5194/angeo-23-625-2005).
- [84] Huttunen-Heikinmaa, K., E. Valtonen, and T. Laitinen (2005), Proton and helium release times in SEP events observed with SOHO/ERNE, *Astron. & Astrophys.*, **442**, 673–685, [10.1051/0004-6361:20042620](https://doi.org/10.1051/0004-6361:20042620).
- [85] Issautier, K., C. Perche, S. Hoang, C. Lacombe, M. Maksimovic, J.-L. Bougeret, and C. Salem (2005), Solar wind electron density and temperature over solar cycle 23: Thermal noise measurements on Wind, *Adv. Space Res.*, **35**, 2141–2146, [10.1016/j.asr.2005.04.085](https://doi.org/10.1016/j.asr.2005.04.085).
- [86] Jadav, R. M., K. N. Iyer, H. P. Joshi, and H. O. Vats (2005), Coronal mass ejection of 4 April 2000 and associated space weather effects, *Planet. Space Sci.*, **53**, 671–679, [10.1016/j.pss.2005.01.002](https://doi.org/10.1016/j.pss.2005.01.002).
- [87] Jeřáb, M., Z. Němeček, J. Šafránková, K. Jelínek, and J. Měrka (2005), Improved bow shock model with dependence on the IMF strength, *Planet. Space Sci.*, **53**, 85–93, [10.1016/j.pss.2004.09.032](https://doi.org/10.1016/j.pss.2004.09.032).
- [88] Kahler, S. W. (2005), Characteristic Times of Gradual Solar Energetic Particle Events and Their Dependence on Associated Coronal Mass Ejection Properties, *Astrophys. J.*, **628**, 1014–1022, [10.1086/431194](https://doi.org/10.1086/431194).



**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [89] Kahler, S. W., H. Aurass, G. Mann, and A. Klassen (2005), The Production of Near-Relativistic Electrons by CME-Driven Shocks, in *Coronal and Stellar Mass Ejections, IAU Symposium*, vol. 226, edited by K. Dere, J. Wang, & Y. Yan, pp. 338–345, [10.1017/S1743921305000839](https://doi.org/10.1017/S1743921305000839).
- [90] Kalegaev, V. V., N. Y. Ganushkina, T. I. Pulkkinen, M. V. Kubyshkina, H. J. Singer, and C. T. Russell (2005), Relation between the ring current and the tail current during magnetic storms, *Ann. Geophys.*, **23**, 523–533, [10.5194/angeo-23-523-2005](https://doi.org/10.5194/angeo-23-523-2005).
- [91] Kilpua, E. K. J. (2005), Interplanetary shocks, magnetic clouds and magnetospheric storms, Ph.D. thesis, University of Helsinki, Finland, advisor: Hannu Koskinen.
- [92] King, J. H., and N. E. Papitashvili (2005), Solar wind spatial scales in and comparisons of hourly Wind and ACE plasma and magnetic field data, *J. Geophys. Res.*, **110**, A02,104, [10.1029/2004JA010649](https://doi.org/10.1029/2004JA010649).
- [93] Klassen, A., S. Krucker, H. Kunow, R. Müller-Mellin, R. Wimmer-Schweingruber, G. Mann, and A. Posner (2005), Solar energetic electrons related to the 28 October 2003 flare, *J. Geophys. Res.*, **110**, A09S04, [10.1029/2004JA010910](https://doi.org/10.1029/2004JA010910).
- [94] Klein, K.-L., and A. Posner (2005), The onset of solar energetic particle events: prompt release of deka-MeV protons and associated coronal activity, *Astron. & Astrophys.*, **438**, 1029–1042, [10.1051/0004-6361:20042607](https://doi.org/10.1051/0004-6361:20042607).
- [95] Klein, K.-L., S. Krucker, G. Trotter, and S. Hoang (2005), Coronal phenomena at the release of solar energetic electron events, *Astron. & Astrophys.*, **431**, 1047–1060, [10.1051/0004-6361:20041258](https://doi.org/10.1051/0004-6361:20041258).
- [96] Kotova, G., M. Verigin, G. Zastenker, N. Nikolaeva, B. Smolkin, J. Slavin, A. Szabo, J. Merka, Z. Nemeček, and J. Safrankova (2005), Bow shock observations by Prognoz Prognoz 11 data: analysis and model comparison, *Adv. Space Res.*, **36**, 1958–1963, [10.1016/j.asr.2004.09.007](https://doi.org/10.1016/j.asr.2004.09.007).
- [97] Koval, A., J. Šafránková, Z. Němeček, L. Přech, A. A. Samsonov, and J. D. Richardson (2005), Deformation of interplanetary shock fronts in the magnetosheath, *Geophys. Res. Lett.*, **321**, L15,101, [10.1029/2005GL023009](https://doi.org/10.1029/2005GL023009).
- [98] Krucker, S., and R. P. Lin (2005), New insights into solar physics from RHESSI, in *13th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, ESA Special Publication*, vol. 560, edited by F. Favata, G. A. J. Hussain, & B. Battrock, pp. 101–+.
- [99] Kumar, S., H. Chandra, and S. Sharma (2005), Geomagnetic storms and their ionospheric effects observed at the equatorial anomaly crest in the Indian Region, *J. Atmos. Solar-Terr. Phys.*, **67**, 581–594, [10.1016/j.jastp.2004.12.003](https://doi.org/10.1016/j.jastp.2004.12.003).
- [100] Lee, D.-Y., L. R. Lyons, and G. D. Reeves (2005), Comparison of geosynchronous energetic particle flux responses to solar wind dynamic pressure enhancements and substorms, *J. Geophys. Res.*, **110**, A09,213, [10.1029/2005JA011091](https://doi.org/10.1029/2005JA011091).

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [101] Lehtinen, N. J., S. Pohjolainen, E. Valtonen, K. Huttunen-Heikinmaa, and A. E. Hillaris (2005), Particle Acceleration Associated with Interacting Coronal Mass Ejections, in *The Dynamic Sun: Challenges for Theory and Observations*, *ESA Special Publication*, vol. 600.
- [102] Leitner, M., C. J. Farrugia, H. K. Biernat, R. Torbert, N. V. Erkaev, K. W. Ogilvie, and R. Schwenn (2005), On the Thickness of the Sheath of Magnetic Clouds in the Inner Heliosphere: A Helios Wind Investigation, in *Solar Wind 11/SOHO 16, Connecting Sun and Heliosphere*, *ESA Special Publication*, vol. 592, edited by B. Fleck, T. H. Zurbuchen, & H. Lacoste, p. 739.
- [103] Leitner, M., C. J. Farrugia, V. A. Osherovich, H. K. Biernat, K. W. Ogilvie, R. Schwenn, and R. Torbert (2005), The Relative Distribution of the Magnetic and Plasma Kinetic Energy Densities in the Inner Heliosphere ( $<1$  AU), in *Solar Wind 11/SOHO 16, Connecting Sun and Heliosphere*, *ESA Special Publication*, vol. 592, edited by B. Fleck, T. H. Zurbuchen, & H. Lacoste, p. 743.
- [104] Lepping, R. P., C.-C. Wu, and D. B. Berdichevsky (2005), Automatic identification of magnetic clouds and cloud-like regions at 1 AU: occurrence rate and other properties, *Ann. Geophys.*, **23**, 2687–2704, [10.5194/angeo-23-2687-2005](https://doi.org/10.5194/angeo-23-2687-2005).
- [105] Lepreti, F., H. Isliker, L. Vlahos, and K. Petraki (2005), a Model of Quiet Time Particle Acceleration in Interplanetary Space, in *The Dynamic Sun: Challenges for Theory and Observations*, *ESA Special Publication*, vol. 600.
- [106] Lepreti, F., H. Isliker, K. Petraki, and L. Vlahos (2005), Quiet time particle acceleration in interplanetary space, *Astron. & Astrophys.*, **432**, 1049–1056, [10.1051/0004-6361:20041675](https://doi.org/10.1051/0004-6361:20041675).
- [107] Leske, R. A., C. M. S. Cohen, A. C. Cummings, R. A. Mewaldt, E. C. Stone, M. E. Wiedenbeck, and T. T. von Rosenvinge (2005), Ultra-Heavy Elements Above 10 MeV/nucleon in Solar Energetic Particle Events, in *International Cosmic Ray Conference, International Cosmic Ray Conference*, vol. 1, pp. 107–+.
- [108] Leubner, M. P., and Z. Vörös (2005), A nonextensive entropy path to probability distributions in solar wind turbulence, *Nonlin. Proc. Geophys.*, **12**, 171–180.
- [109] Levan, A., P. Nugent, A. Fruchter, I. Burud, D. Branch, J. Rhoads, A. Castro-Tirado, J. Gorosabel, J. M. Castro Cerón, S. E. Thorsett, C. Kouveliotou, S. Golenetskii, J. Fynbo, P. Garnavich, S. Holland, J. Hjorth, P. Møller, E. Pian, N. Tanvir, M. Ulanov, R. Wijers, and S. Woosley (2005), GRB 020410: A Gamma-Ray Burst Afterglow Discovered by Its Supernova Light, *Astrophys. J.*, **624**, 880–888, [10.1086/428657](https://doi.org/10.1086/428657).
- [110] Lisse, C. M., D. J. Christian, K. Dennerl, S. J. Wolk, D. Bodewits, R. Hoekstra, M. R. Combi, T. Mäkinen, M. Dryer, C. D. Fry, and H. Weaver (2005), Chandra Observations of Comet 2P/Encke 2003: First Detection of a Collisionally Thin, Fast Solar Wind Charge Exchange System, *Astrophys. J.*, **635**, 1329–1347, [10.1086/497570](https://doi.org/10.1086/497570).

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [111] Liu, Y., J. D. Richardson, and J. W. Belcher (2005), A statistical study of the properties of interplanetary coronal mass ejections from 0.3 to 5.4 AU, *Planet. Space Sci.*, **53**, 3–17, [10.1016/j.pss.2004.09.023](https://doi.org/10.1016/j.pss.2004.09.023).
- [112] Lockwood, M., J. Moen, A. P. van Eyken, J. A. Davies, K. Oksavik, and I. W. McCrea (2005), Motion of the dayside polar cap boundary during substorm cycles: I. Observations of pulses in the magnetopause reconnection rate, *Ann. Geophys.*, **23**, 3495–3511, [10.5194/angeo-23-3495-2005](https://doi.org/10.5194/angeo-23-3495-2005).
- [113] Luhmann, J. G., D. W. Curtis, R. P. Lin, D. Larson, P. Schroeder, A. Cummings, R. A. Mewaldt, E. C. Stone, A. Davis, T. von Rosenvinge, M. H. Acuna, D. Reames, C. Ng, K. Ogilvie, R. Mueller-Mellin, H. Kunow, G. M. Mason, M. Wiedenbeck, A. Sauvaud, C. Aoustin, P. Louarn, J. Dandouras, A. Korth, V. Bothmer, V. Vasyliunas, T. Sanderson, R. G. Marsden, C. T. Russell, J. T. Gosling, J. L. Bougeret, D. J. McComas, J. A. Linker, P. Riley, D. Odstrcil, V. J. Pizzo, T. Gombosi, D. Dezeew, and K. Kecskemety (2005), IMPACT: Science goals and firsts with STEREO, *Adv. Space Res.*, **36**, 1534–1543, [10.1016/j.asr.2005.03.033](https://doi.org/10.1016/j.asr.2005.03.033).
- [114] Luoni, M. L., C. H. Mandrini, S. Dasso, L. van Driel-Gesztelyi, and P. Démoulin (2005), Tracing magnetic helicity from the solar corona to the interplanetary space, *J. Atmos. Solar-Terr. Phys.*, **67**, 1734–1743, [10.1016/j.jastp.2005.07.003](https://doi.org/10.1016/j.jastp.2005.07.003).
- [115] Lyons, L. R., D.-Y. Lee, C.-P. Wang, and S. B. Mende (2005), Global auroral responses to abrupt solar wind changes: Dynamic pressure, substorm, and null events, *J. Geophys. Res.*, **110**, A08,208, [10.1029/2005JA011089](https://doi.org/10.1029/2005JA011089).
- [116] MacDougall, J. W., and P. T. Jayachandran (2005), Sporadic E at cusp latitudes, *J. Atmos. Solar-Terr. Phys.*, **67**, 1419–1426, [10.1016/j.jastp.2005.07.011](https://doi.org/10.1016/j.jastp.2005.07.011).
- [117] MacDowall, R. J., N. Gopalswamy, M. L. Kaiser, S. D. Bale, L. D. Demaio, J. N. Hewitt, J. C. Kasper, A. J. Lazarus, R. E. Howard, D. L. Jones, M. J. Reiner, and K. W. Weiler (2005), The Solar Imaging Radio Array: Space-Based Imaging of Solar, Heliospheric, Magnetospheric, and Astrophysical Sources at Frequencies below the Ionospheric Cutoff, in *From Clark Lake to the Long Wavelength Array: Bill Erickson's Radio Science*, *Astronomical Society of the Pacific Conference Series*, vol. 345, edited by N. Kassim, M. Perez, W. Junor, & P. Henning, pp. 476–+.
- [118] Maksimovic, M., K. Issautier, N. Meyer-Vernet, C. Perche, M. Moncuquet, I. Zouganelis, S. D. Bale, N. Vilmer, and J.-L. Bougeret (2005), Solar wind electron temperature and density measurements on the Solar Orbiter with thermal noise spectroscopy, *Adv. Space Res.*, **36**, 1471–1473, [10.1016/j.asr.2005.01.088](https://doi.org/10.1016/j.asr.2005.01.088).
- [119] Malandraki, O. E., D. Lario, T. E. Sarris, N. Tsaggas, and E. T. Sarris (2005), Energetic Particle Tracing of Interplanetary CMEs: ULYSSES/HI-SCALE and ACE/EPAM Results, in *Coronal and Stellar Mass Ejections, IAU Symposium*, vol. 226, edited by K. Dere, J. Wang, & Y. Yan, pp. 361–366, [10.1017/S1743921305000864](https://doi.org/10.1017/S1743921305000864).

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [120] Mandrini, C. H., S. Pohjolainen, S. Dasso, L. M. Green, P. Démoulin, L. van Driel-Gesztelyi, C. Copperwheat, and C. Foley (2005), Interplanetary flux rope ejected from an X-ray bright point. The smallest magnetic cloud source-region ever observed, *Astron. & Astrophys.*, **434**, 725–740, [10.1051/0004-6361:20041079](https://doi.org/10.1051/0004-6361:20041079).
- [121] Mandrini, C. H., S. Dasso, M. L. Luoni, S. Pohjolainen, P. Démoulin, and L. van Driel-Gesztelyi (2005), Quantitative Link Between Solar Ejecta and Interplanetary Magnetic Clouds: Magnetic Helicity, in *Chromospheric and Coronal Magnetic Fields, ESA Special Publication*, vol. 596, edited by D. E. Innes, A. Lagg, & S. A. Solanki.
- [122] Mandrini, C. H., S. Pohjolainen, S. Dasso, L. M. Green, P. Démoulin, L. van Driel-Gesztelyi, C. Foley, and C. Copperwheat (2005), The smallest source region of an interplanetary magnetic cloud: A mini-sigmoid, *Adv. Space Res.*, **36**, 1579–1586, [10.1016/j.asr.2005.02.003](https://doi.org/10.1016/j.asr.2005.02.003).
- [123] Manoharan, P. K., and M. R. Kundu (2005), Multi-wavelength study of a coronal mass ejection: a flare event from AR#9393, *Adv. Space Res.*, **35**, 70–74, [10.1016/j.asr.2004.09.010](https://doi.org/10.1016/j.asr.2004.09.010).
- [124] March, T. K., S. C. Chapman, and R. O. Dendy (2005), Mutual information between geomagnetic indices and the solar wind as seen by WIND: Implications for propagation time estimates, *Geophys. Res. Lett.*, **320**, L04,101, [10.1029/2004GL021677](https://doi.org/10.1029/2004GL021677).
- [125] Marchaudon, A., C. J. Owen, J.-M. Bosqued, R. C. Fear, A. N. Fazakerley, M. W. Dunlop, A. D. Lahiff, C. Carr, A. Balogh, P.-A. Lindqvist, and H. Rème (2005), Simultaneous Double Star and Cluster FTEs observations on the dawnside flank of the magnetosphere, *Ann. Geophys.*, **23**, 2877–2887, [10.5194/angeo-23-2877-2005](https://doi.org/10.5194/angeo-23-2877-2005).
- [126] Matthaeus, W. H., S. Dasso, J. M. Weygand, L. J. Milano, C. W. Smith, and M. G. Kivelson (2005), Spatial Correlation of Solar-Wind Turbulence from Two-Point Measurements, *Phys. Rev. Lett.*, **95**, 231,101–+, [10.1103/PhysRevLett.95.231101](https://doi.org/10.1103/PhysRevLett.95.231101).
- [127] Mazets, E. P., T. L. Cline, R. L. Aptekar, D. D. Frederiks, S. V. Golenetskii, V. N. Il'inskii, and V. D. Pal'shin (2005), The Konus-Wind and Helicon-Coronas-F detection of the giant  $\gamma$ -ray flare from the soft  $\gamma$ -ray repeater SGR 1806-20, *ArXiv Astrophysics e-prints*.
- [128] Melrose, D. (2005), Maser Emission in Astrophysical Plasmas: 2003 Robert Ellery Lecture, *Publ. Astron. Soc. Australia*, **22**, 144–152, [10.1071/AS04061](https://doi.org/10.1071/AS04061).
- [129] Merka, J., A. Szabo, T. W. Narock, J. D. Richardson, and J. H. King (2005), Three decades of bow shock observations by IMP 8 and model predictions, *Planet. Space Sci.*, **53**, 79–84, [10.1016/j.pss.2004.09.031](https://doi.org/10.1016/j.pss.2004.09.031).
- [130] Meziane, K., M. Wilber, C. Mazelle, G. K. Parks, and A. M. Hamza (2005), A review of field-aligned beams observed upstream of the bow shock, in *The Physics of Collisionless Shocks: 4th Annual IGPP International Astrophysics Conference, American Institute of Physics Conference Series*, vol. 781, edited by G. Li, G. P. Zank, & C. T. Russell, pp. 116–122, [10.1063/1.2032683](https://doi.org/10.1063/1.2032683).

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [131] Michalek, G., N. Gopalswamy, and S. Yashiro (2005), Estimation of Projection Effect of CMEs from the Onset Time of the Shock-Associated Type III Radio Burst, *Acta Astron.*, **55**, 151–158.
- [132] Miroshnichenko, L. I., K.-L. Klein, G. Trottet, P. Lantos, E. V. Vashenyuk, Y. V. Balabin, and B. B. Gvozdevsky (2005), Relativistic nucleon and electron production in the 2003 October 28 solar event, *J. Geophys. Res.*, **110**, A09S08, [10.1029/2004JA010936](https://doi.org/10.1029/2004JA010936).
- [133] Miroshnichenko, L. I., K.-L. Klein, G. Trottet, P. Lantos, E. V. Vashenyuk, and Y. V. Balabin (2005), Electron acceleration and relativistic nucleon production in the 2003 October 28 solar event, *Adv. Space Res.*, **35**, 1864–1870, [10.1016/j.asr.2005.02.041](https://doi.org/10.1016/j.asr.2005.02.041).
- [134] Miyashita, Y., A. Ieda, Y. Kamide, S. Machida, T. Mukai, Y. Saito, K. Liou, C.-I. Meng, G. K. Parks, R. W. McEntire, N. Nishitani, M. Lester, G. J. Sofko, and J.-P. Villain (2005), Plasmoids observed in the near-Earth magnetotail at  $X \sim -7 R_E$ , *J. Geophys. Res.*, **110**, A12214, [10.1029/2005JA011263](https://doi.org/10.1029/2005JA011263).
- [135] Mühlbachler, S. (2005), Magnetospheric Erosion in theory and observations, Ph.D. thesis, Karl Franzens Universität, Graz, Austria, advisor: H.K. Biernat and C.J. Farrugia.
- [136] Mühlbachler, S., C. J. Farrugia, J. Raeder, H. K. Biernat, and R. B. Torbert (2005), A statistical investigation of dayside magnetosphere erosion showing saturation of response, *J. Geophys. Res.*, **110**, A11,207, [10.1029/2005JA011177](https://doi.org/10.1029/2005JA011177).
- [137] Mursula, K., R. Kerttula, T. Asikainen, R. Friedel, A. Vaivads, F. Søråas, M. Grande, M. Carter, P. W. Daly, T. A. Fritz, J. F. Fennell, and A. Balogh (2005), Cluster/rapid energetic electron observations at the dayside magnetospheric boundary, *Adv. Space Res.*, **36**, 1904–1908, [10.1016/j.asr.2004.03.021](https://doi.org/10.1016/j.asr.2004.03.021).
- [138] Nakagawa, T., and M. Iizima (2005), Pitch angle diffusion of electrons at the boundary of the lunar wake, *Earth, Planets, and Space*, **57**, 885–894.
- [139] Nakwacki, M. S., S. Dasso, C. H. Mandrini, and P. Démoulin (2005), Helicity Analysis for Expanding Magnetic Clouds: A Case Study, in *Solar Wind 11/SOHO 16, Connecting Sun and Heliosphere, ESA Special Publication*, vol. 592, edited by B. Fleck, T. H. Zurbuchen, & H. Lacoste, pp. 629–+.
- [140] Nakwacki, M. S., S. Dasso, C. H. Mandrini, and P. Démoulin (2005), Study of an expanding magnetic cloud, *Boletín de la Asociación Argentina de Astronomía La Plata Argentina*, **48**, 93–96.
- [141] Neugebauer, M., and J. Giacalone (2005), Multispacecraft observations of interplanetary shocks: Nonplanarity and energetic particles, *J. Geophys. Res.*, **110**, A12,106, [10.1029/2005JA011380](https://doi.org/10.1029/2005JA011380).
- [142] Nieves-Chinchilla, T., M. A. Hidalgo, and J. Sequeiros (2005), Magnetic Clouds Observed at 1 Au During the Period 2000-2003, *Solar Phys.*, **232**, 105–126, [10.1007/s11207-005-1593-5](https://doi.org/10.1007/s11207-005-1593-5).

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [143] Nikolaeva, N. S., V. A. Parkhomov, N. L. Borodkova, S. I. Klimov, M. N. Nozdrachev, S. A. Romanov, and Y. I. Yermolaev (2005), The development of the magnetospheric substorm and its influence on the magnetopause motion, *Planet. Space Sci.*, **53**, 169–179, [10.1016/j.pss.2004.09.042](https://doi.org/10.1016/j.pss.2004.09.042).
- [144] Nikolaeva, N. S., V. A. Parkhomov, N. L. Borodkova, S. I. Klimov, M. N. Nozdrachev, S. A. Romanov, and Y. I. Yermolaev (2005), A Magnetospheric Substorm and the Motion of the Magnetopause, *Cosmic Res.*, **43**, 233–244, [10.1007/s10604-005-0041-5](https://doi.org/10.1007/s10604-005-0041-5).
- [145] Novikova, E., E. Wulf, B. Philips, J. Kurfess, A. Zoglauer, G. Weidenspointner, and R. Kippen (2005), Simulations of a Si-based Advanced Compton Telescope, in *Nuclear Science Symposium Conference Record, 2005 IEEE*, vol. 2, pp. 985–989, [10.1109/NSS-MIC.2005.1596419](https://doi.org/10.1109/NSS-MIC.2005.1596419).
- [146] Ogilvie, K. W. (2005), Electrons at Shocks, in *The Physics of Collisionless Shocks: 4th Annual IGPP International Astrophysics Conference, American Institute of Physics Conference Series*, vol. 781, edited by G. Li, G. P. Zank, & C. T. Russell, pp. 72–78, [10.1063/1.2032677](https://doi.org/10.1063/1.2032677).
- [147] Ojeda, A., A. Calzadilla, B. Lazo, K. Alazo, and S. Savio (2005), Analysis of behavior of solar wind parameters under different IMF conditions using nonlinear dynamics techniques, *J. Atmos. Solar-Terr. Phys.*, **67**, 1859–1864, [10.1016/j.jastp.2004.12.014](https://doi.org/10.1016/j.jastp.2004.12.014).
- [148] Pagel, C., N. U. Crooker, and D. E. Larson (2005), Assessing electron heat flux dropouts as signatures of magnetic field line disconnection from the Sun, *Geophys. Res. Lett.*, **321**, L14,105, [10.1029/2005GL023043](https://doi.org/10.1029/2005GL023043).
- [149] Palmroth, M., P. Janhunen, T. I. Pulkkinen, A. Aksnes, G. Lu, N. Østgaard, J. Watermann, G. D. Reeves, and G. A. Germany (2005), Assessment of ionospheric Joule heating by GUMICS-4 MHD simulation, AMIE, and satellite-based statistics: towards a synthesis, *Ann. Geophys.*, **23**, 2051–2068, [10.5194/angeo-23-2051-2005](https://doi.org/10.5194/angeo-23-2051-2005).
- [150] Parkhomov, V. A., M. O. Riazantseva, and G. N. Zastenker (2005), Local amplification of auroral electrojet as a response to a sharp solar wind pressure pulse, *Planet. Space Sci.*, **53**, 265–274, [10.1016/j.pss.2004.09.052](https://doi.org/10.1016/j.pss.2004.09.052).
- [151] Pick, M., and D. Maia (2005), Origin of complex type III-L events and electron acceleration, *Adv. Space Res.*, **35**, 1876–1881, [10.1016/j.asr.2005.01.076](https://doi.org/10.1016/j.asr.2005.01.076).
- [152] Pickett, J. S., L.-J. Chen, S. W. Kahler, O. Santolík, M. L. Goldstein, B. Lavraud, P. M. E. Décréau, R. Kessel, E. Lucek, G. S. Lakhina, B. T. Tsurutani, D. A. Gurnett, N. Cornilleau-Wehrlin, A. Fazakerley, H. Rème, and A. Balogh (2005), On the generation of solitary waves observed by Cluster in the near-Earth magnetosheath, *Nonlin. Proc. Geophys.*, **12**, 181–193.
- [153] Přejch, L., J. Šafránková, Z. Němeček, and K. Kudela (2005), INTERBALL-1 observations of plasma and energetic particle fluxes upstream of the Earth’s bow shock, *Planet. Space Sci.*, **53**, 65–78, [10.1016/j.pss.2004.09.030](https://doi.org/10.1016/j.pss.2004.09.030).

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [154] Přejch, L., J. Šafránková, Z. Němeček, K. Kudela, and M. Slivka (2005), Plasma flow variations and energetic protons upstream of the earth's bow shock: A statistical study, *Adv. Space Res.*, **36**, 2345–2350, [10.1016/j.asr.2003.07.078](https://doi.org/10.1016/j.asr.2003.07.078).
- [155] Qin, G., M. Zhang, J. R. Dwyer, H. K. Rassoul, and G. M. Mason (2005), The Model Dependence of Solar Energetic Particle Mean Free Paths under Weak Scattering, *Astrophys. J.*, **627**, 562–566, [10.1086/430136](https://doi.org/10.1086/430136).
- [156] Rae, I. J., E. F. Donovan, I. R. Mann, F. R. Fenrich, C. E. J. Watt, D. K. Milling, M. Lester, B. Lavraud, J. A. Wild, H. J. Singer, H. Rème, and A. Balogh (2005), Evolution and characteristics of global Pc5 ULF waves during a high solar wind speed interval, *J. Geophys. Res.*, **110**, A12,211, [10.1029/2005JA011007](https://doi.org/10.1029/2005JA011007).
- [157] Reiner, M. J., B. V. Jackson, D. F. Webb, D. R. Mizuno, M. L. Kaiser, and J.-L. Bougeret (2005), Coronal mass ejection kinematics deduced from white light (Solar Mass Ejection Imager) and radio (Wind/WAVES) observations, *J. Geophys. Res.*, **110**, A09S14, [10.1029/2004JA010943](https://doi.org/10.1029/2004JA010943).
- [158] Reiner, M. J., M. L. Kaiser, and J.-L. Bougeret (2005), CME Kinematics in Interplanetary Space, in *Solar Wind 11/SOHO 16, Connecting Sun and Heliosphere, ESA Special Publication*, vol. 592, edited by B. Fleck, T. H. Zurbuchen, & H. Lacoste, pp. 307–+.
- [159] Riazantseva, M. O., O. V. Khabarova, G. N. Zastenker, and J. D. Richardson (2005), Sharp Boundaries of Solar Wind Plasma Structures and an Analysis of Their Pressure Balance, *Cosmic Res.*, **43**, 157–164, [10.1007/s10604-005-0030-8](https://doi.org/10.1007/s10604-005-0030-8).
- [160] Riazantseva, M. O., G. N. Zastenker, J. D. Richardson, and P. E. Eiges (2005), Sharp boundaries of small- and middle-scale solar wind structures, *J. Geophys. Res.*, **110**, A12,110, [10.1029/2005JA011307](https://doi.org/10.1029/2005JA011307).
- [161] Riazantseva, M. O., G. N. Zastenker, and J. D. Richardson (2005), The characteristics of sharp (small-scale) boundaries of solar wind plasma and magnetic field structures, *Adv. Space Res.*, **35**, 2147–2151, [10.1016/j.asr.2004.12.011](https://doi.org/10.1016/j.asr.2004.12.011).
- [162] Richardson, I. G., and H. V. Cane (2005), The ~150 day quasi-periodicity in interplanetary and solar phenomena during cycle 23, *Geophys. Res. Lett.*, **32**, L02104, [10.1029/2004GL021691](https://doi.org/10.1029/2004GL021691).
- [163] Rodriguez, P., E. Kennedy, and P. Kossey (2005), Long Wavelength Array Experiments With The HF Active Auroral Research Program, in *From Clark Lake to the Long Wavelength Array: Bill Erickson's Radio Science, Astronomical Society of the Pacific Conference Series*, vol. 345, edited by N. Kassim, M. Perez, W. Junor, & P. Henning, pp. 171–+.
- [164] Russell, C. T., and A. A. Shinde (2005), On Defining Interplanetary Coronal Mass EJECTIONs from Fluid Parameters, *Solar Phys.*, **229**, 323–344, [10.1007/s11207-005-8777-x](https://doi.org/10.1007/s11207-005-8777-x).

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [165] Rust, D. M., B. J. Anderson, M. D. Andrews, M. H. Acuña, C. T. Russell, P. W. Schuck, and T. Mulligan (2005), Comparison of Interplanetary Disturbances at the NEAR Spacecraft with Coronal Mass Ejections at the Sun, *Astrophys. J.*, **621**, 524–536, [10.1086/427401](https://doi.org/10.1086/427401).
- [166] Safargaleev, V., T. Sergienko, H. Nilsson, A. Kozlovsky, S. Massetti, S. Osipenko, and A. Kotikov (2005), Combined optical, EISCAT and magnetic observations of the omega bands/Ps6 pulsations and an auroral torch in the late morning hours: a case study, *Ann. Geophys.*, **23**, 1821–1838, [10.5194/angeo-23-1821-2005](https://doi.org/10.5194/angeo-23-1821-2005).
- [167] Sarafopoulos, D. V. (2005), Cases for which the Earth’s magnetosphere does not act as a “low-pass filter”, *J. Atmos. Solar-Terr. Phys.*, **67**, 1427–1442, [10.1016/j.jastp.2005.07.012](https://doi.org/10.1016/j.jastp.2005.07.012).
- [168] Saul, L. A. (2005), Interstellar helium pickup ion flux variations observed with SOHO/CELIAS, Ph.D. thesis, University of New Hampshire, New Hampshire, USA.
- [169] Schwenn, R., A. dal Lago, E. Huttunen, and W. D. Gonzalez (2005), The association of coronal mass ejections with their effects near the Earth, *Ann. Geophys.*, **23**, 1033–1059, [10.5194/angeo-23-1033-2005](https://doi.org/10.5194/angeo-23-1033-2005).
- [170] Seki, T., A. Morioka, Y. S. Miyoshi, F. Tsuchiya, H. Misawa, W. Gonzalez, T. Sakanoi, H. Oya, H. Matsumoto, K. Hashimoto, and T. Mukai (2005), Auroral kilometric radiation and magnetosphere-ionosphere coupling process during magnetic storms, *J. Geophys. Res.*, **110**, A05,206, [10.1029/2004JA010961](https://doi.org/10.1029/2004JA010961).
- [171] Sergeev, V. A., M. V. Kubyshkina, W. Baumjohann, R. Nakamura, O. Amm, T. Pulkkinen, V. Angelopoulos, S. B. Mende, B. Klecker, T. Nagai, J.-A. Sauvaud, J. A. Slavin, and M. F. Thomsen (2005), Transition from substorm growth to substorm expansion phase as observed with a radial configuration of ISTP and Cluster spacecraft, *Ann. Geophys.*, **23**, 2183–2198, [10.5194/angeo-23-2183-2005](https://doi.org/10.5194/angeo-23-2183-2005).
- [172] Shevryev, N. N. (2005), Mirror Mode Waves in the Earth’s Magnetosheath Observed by the INTERBALL-1 Satellite, *Cosmic Res.*, **43**, 291–298, [10.1007/s10604-005-0047-z](https://doi.org/10.1007/s10604-005-0047-z).
- [173] Shi, Y., E. Zesta, L. R. Lyons, A. Boudouridis, K. Yumoto, and K. Kitamura (2005), Effect of solar wind pressure enhancements on storm time ring current asymmetry, *J. Geophys. Res.*, **110**, A10,205, [10.1029/2005JA011019](https://doi.org/10.1029/2005JA011019).
- [174] Sigsbee, K., J. A. Slavin, R. P. Lepping, A. Szabo, M. Øieroset, M. L. Kaiser, M. J. Reiner, and H. J. Singer (2005), Statistical and superposed epoch study of dipolarization events using data from Wind perigee passes, *Ann. Geophys.*, **23**, 831–851, [10.5194/angeo-23-831-2005](https://doi.org/10.5194/angeo-23-831-2005).
- [175] Simnett, G. M. (2005), Electron Acceleration in the Corona, *Solar Phys.*, **229**, 213–226, [10.1007/s11207-005-5619-9](https://doi.org/10.1007/s11207-005-5619-9).



**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [176] Simnett, G. M., J.-I. Sakai, and R. J. Forsyth (2005), Proton and electron acceleration by quasi-perpendicular fast magnetosonic shocks in interplanetary space, *Astron. & Astrophys.*, **440**, 759–766, [10.1051/0004-6361:20040229](https://doi.org/10.1051/0004-6361:20040229).
- [177] Smith, C. W., P. A. Lisenberg, W. H. Matthaeus, and J. D. Richardson (2005), Turbulent Heating of the Solar Wind by Newborn Interstellar Pickup Protons, in *Proc. 11th Intl. Solar Wind Conf., ESA Special Publication*, vol. 592, edited by B. Fleck, T. H. Zurbuchen, and H. Lacoste, p. 555.
- [178] Stauning, P., F. Christiansen, and J. Watermann (2005), *Detection of intense fine-scale field-aligned current structures in the Cusp region*, pp. 381–+, [10.1007/3-540-26800-6\\_61](https://doi.org/10.1007/3-540-26800-6_61).
- [179] Svalgaard, L., and E. W. Cliver (2005), The IDV index: Its derivation and use in inferring long-term variations of the interplanetary magnetic field strength, *J. Geophys. Res.*, **110**, A12103, [10.1029/2005JA011203](https://doi.org/10.1029/2005JA011203).
- [180] Takada, T., K. Seki, M. Hirahara, T. Terasawa, M. Hoshino, and T. Mukai (2005), Two types of PSBL ion beam observed by Geotail: Their relation to low frequency electromagnetic waves and cold ion energization, *Adv. Space Res.*, **36**, 1883–1889, [10.1016/j.asr.2003.09.075](https://doi.org/10.1016/j.asr.2003.09.075).
- [181] Trattner, K. J., S. A. Fuselier, S. M. Petrinen, T. K. Yeoman, C. Mouikis, H. Kucharek, and H. Reme (2005), Reconnection sites of spatial cusp structures, *J. Geophys. Res.*, **110**, A04,207, [10.1029/2004JA010722](https://doi.org/10.1029/2004JA010722).
- [182] Trávníček, P., P. Hellinger, D. Schriver, and S. D. Bale (2005), Structure of the lunar wake: Two-dimensional global hybrid simulations, *Geophys. Res. Lett.*, **320**, L06,102, [10.1029/2004GL022243](https://doi.org/10.1029/2004GL022243).
- [183] Tulunay, Y., D. G. Sibeck, E. T. Senalp, and E. Tulunay (2005), Forecasting magnetopause crossing locations by using Neural Networks, *Adv. Space Res.*, **36**, 2378–2383, [10.1016/j.asr.2004.04.015](https://doi.org/10.1016/j.asr.2004.04.015).
- [184] Tylka, A. J., C. M. S. Cohen, W. F. Dietrich, M. A. Lee, C. G. MacLennan, R. A. Mewaldt, C. K. Ng, and D. V. Reames (2005), Shock Geometry, Seed Populations, and the Origin of Variable Elemental Composition at High Energies in Large Gradual Solar Particle Events, *Astrophys. J.*, **625**, 474–495, [10.1086/429384](https://doi.org/10.1086/429384).
- [185] Ulanov, M. V., S. V. Golenetskii, D. D. Frederiks, R. L. A. E. P. Mazets, A. A. Kokomov, and V. D. Palshin (2005), Fast spectral variability of GRBs with known redshifts, *Nuovo Cimento C Geophys. Space Phys. C*, **28**, 351, [10.1393/ncc/i2005-10058-8](https://doi.org/10.1393/ncc/i2005-10058-8).
- [186] Usmanov, A. V., M. L. Goldstein, K. W. Ogilvie, W. M. Farrell, and G. R. Lawrence (2005), Low-density anomalies and sub-Alfvénic solar wind, *J. Geophys. Res.*, **110**, A01,106, [10.1029/2004JA010699](https://doi.org/10.1029/2004JA010699).
- [187] Villante, U., A. Nobile, P. Di Giuseppe, P. Francia, and M. Vellante (2005), ULF oscillations at discrete frequencies: a comparison between ground, magnetospheric and interplanetary measurements, *Mem. Soc. Astron. Ital.*, **76**, 1060–+.

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- [188] Villasenor, J. S., D. Q. Lamb, G. R. Ricker, J.-L. Atteia, N. Kawai, N. Butler, Y. Nakagawa, J. G. Jernigan, M. Boer, G. B. Crew, T. Q. Donaghy, J. Doty, E. E. Fenimore, M. Galassi, C. Graziani, K. Hurley, A. Levine, F. Martel, M. Matsuoka, J.-F. Olive, G. Prigozhin, T. Sakamoto, Y. Shirasaki, M. Suzuki, T. Tamagawa, R. Vanderspek, S. E. Woosley, A. Yoshida, J. Braga, R. Manchanda, G. Pizzichini, K. Takagishi, and M. Yamauchi (2005), Discovery of the short  $\gamma$ -ray burst GRB 050709, *Nature*, **437**, 855–858, [10.1038/nature04213](https://doi.org/10.1038/nature04213).
- [189] Vocks, C., C. Salem, R. P. Lin, and G. Mann (2005), Electron Halo and Strahl Formation in the Solar Wind by Resonant Interaction with Whistler Waves, *Astrophys. J.*, **627**, 540–549, [10.1086/430119](https://doi.org/10.1086/430119).
- [190] Wang, L., R. P. Lin, S. Krucker, and G. M. Mason (2005), A Study of the Solar Injection for Eleven Impulsive Electron/ $^3\text{He}$ -Rich Sep Events, in *Solar Wind 11/SOHO 16, Connecting Sun and Heliosphere, ESA Special Publication*, vol. 592, edited by B. Fleck, T. H. Zurbuchen, & H. Lacoste, pp. 457–+.
- [191] Wang, S. J., Y. Yan, Q. Fu, Y. Liu, and Z. Chen (2005), Multi-Wavelength Radio Features Associated with Large CMEs on Oct. 26–28, 2003, in *Coronal and Stellar Mass Ejections, IAU Symposium*, vol. 226, edited by K. Dere, J. Wang, & Y. Yan, pp. 139–140, [10.1017/S1743921305000384](https://doi.org/10.1017/S1743921305000384).
- [192] Wang, X., P. Wurz, P. Bochsler, F. Ipavich, J. Paquette, and R. F. Wimmer-Schweingruber (2005), Effect of Coronal Mass Ejection Interactions on the SOHO/CELIAS/MTOF Measurements, in *Coronal and Stellar Mass Ejections, IAU Symposium*, vol. 226, edited by K. Dere, J. Wang, & Y. Yan, pp. 409–413, [10.1017/S1743921305000943](https://doi.org/10.1017/S1743921305000943).
- [193] Wang, Y., P. Ye, G. Zhou, S. Wang, S. Wang, Y. Yan, and J. Wang (2005), The Interplanetary Responses to the Great Solar Activities in Late October 2003, *Solar Phys.*, **226**, 337–357, [10.1007/s11207-005-6877-2](https://doi.org/10.1007/s11207-005-6877-2).
- [194] Watkins, N. W., D. Credgington, B. Hnat, S. C. Chapman, M. P. Freeman, and J. Greenhough (2005), Towards Synthesis of Solar Wind and Geomagnetic Scaling Exponents: A Fractional Lévy Motion Model, *Space Sci. Rev.*, **121**, 271–284, [10.1007/s11214-006-4578-2](https://doi.org/10.1007/s11214-006-4578-2).
- [195] Weidenspointner, G., M. J. Harris, S. Sturmer, B. J. Teegarden, and C. Ferguson (2005), MGGPOD: a Monte Carlo Suite for Modeling Instrumental Line and Continuum Backgrounds in Gamma-Ray Astronomy, *Astrophys. J. Suppl.*, **156**, 69–91, [10.1086/425577](https://doi.org/10.1086/425577).
- [196] Wu, C.-C., and R. P. Lepping (2005), Relationships for predicting magnetic cloud-related geomagnetic storm intensity, *J. Atmos. Solar-Terr. Phys.*, **67**, 283–291, [10.1016/j.jastp.2004.07.040](https://doi.org/10.1016/j.jastp.2004.07.040).
- [197] Xiao, C. J., Z. Y. Pu, H. F. Chen, L. Xie, Q. G. Zong, T. A. Fritz, and P. W. Daly (2005), Energetic Electrons in Magnetosphere during Gradual Solar Energetic Particle

**List of Refereed Publications**  
**Wind Spacecraft: 2005**

- Event Observations by Cluster, in *Coronal and Stellar Mass Ejections, IAU Symposium*, vol. 226, edited by K. Dere, J. Wang, & Y. Yan, pp. 473–474, [10.1017/S1743921305001080](https://doi.org/10.1017/S1743921305001080).
- [198] Xue, X. H., Y. Wang, P. Z. Ye, S. Wang, and M. Xiong (2005), Analysis on the interplanetary causes of the great magnetic storms in solar maximum (2000 2001), *Planet. Space Sci.*, **53**, 443–457, [10.1016/j.pss.2004.10.002](https://doi.org/10.1016/j.pss.2004.10.002).
- [199] Yokota, S., and Y. Saito (2005), Estimation of picked-up lunar ions for future compositional remote SIMS analyses of the lunar surface, *Earth, Planets, and Space*, **57**, 281–289.
- [200] Zhao, X. P., J. T. Hoeksema, and P. H. Scherrer (2005), Prediction and understanding of the north-south displacement of the heliospheric current sheet, *J. Geophys. Res.*, **110**, A10,101, [10.1029/2004JA010723](https://doi.org/10.1029/2004JA010723).
- [201] Zhong, D.-K., F.-S. Wei, X.-S. Feng, and F. Yang (2005), New Evidence for Magnetic Reconnection in the Tail of Interplanetary Magnetic Cloud, *Chinese Phys. Lett.*, **22**, 3225–3228, [10.1088/0256-307X/22/12/068](https://doi.org/10.1088/0256-307X/22/12/068).
- [202] Zhuravlev, D. A., M. A. Kondratyeva, and C. A. Tretyakova (2005), Estimation of the distance to the modulation boundary for anomalous cosmic rays, *Cosmic Res.*, **43**, 143–144, [10.1007/s10604-005-0026-4](https://doi.org/10.1007/s10604-005-0026-4).