

List of Refereed Publications
Wind Spacecraft: 2002

References

- [1] Acuña, M. H. (2002), Space-based magnetometers, *Rev. Sci. Inst.*, **73**, 3717–3736, [10.1063/1.1510570](https://doi.org/10.1063/1.1510570).
- [2] Ananthakrishnan, S., M. Tokumaru, and M. Kojima (2002), Observation of travelling interplanetary disturbances, *Adv. Space Res.*, **29**, 1467–1471, [10.1016/S0273-1177\(02\)00199-0](https://doi.org/10.1016/S0273-1177(02)00199-0).
- [3] Angelopoulos, V., M. Temerin, I. Roth, F. S. Mozer, D. Weimer, and M. R. Hairston (2002), Testing global storm-time electric field models using particle spectra on multiple spacecraft, *J. Geophys. Res.*, **107**, 1194, [10.1029/2001JA900174](https://doi.org/10.1029/2001JA900174).
- [4] Antonova, E. E., I. L. Ovchinnikov, and Y. I. Yermolaev (2002), Plasma sheet coefficient of diffusion: Predictions and observations, *Adv. Space Res.*, **30**, 2689–2694, [10.1016/S0273-1177\(02\)80384-2](https://doi.org/10.1016/S0273-1177(02)80384-2).
- [5] Aptekar, R. L., P. S. Butterworth, T. L. Cline, D. D. Frederiks, S. V. Golenetskii, V. N. Il’Inskii, E. P. Mazets, and V. D. Pal’Shin (2002), General properties of recurrent bursts from SGRs., *Mem. Soc. Astron. It.*, **73**, 485–490.
- [6] Bale, S. D., A. Hull, D. E. Larson, R. P. Lin, L. Muschietti, P. J. Kellogg, K. Goetz, and S. J. Monson (2002), Electrostatic Turbulence and Debye-Scale Structures Associated with Electron Thermalization at Collisionless Shocks, *Astrophys. J.*, **575**, L25–L28, [10.1086/342609](https://doi.org/10.1086/342609).
- [7] Bamert, K., R. F. Wimmer-Schweingruber, R. Kallenbach, M. Hilchenbach, B. Klecker, A. Bogdanov, and P. Wurz (2002), Origin of the May 1998 suprathermal particles: Solar and Heliospheric Observatory/Charge, Element, and Isotope Analysis System/(Highly) Suprathermal Time of Flight results, *J. Geophys. Res.*, **107**, 1130, [10.1029/2001JA900173](https://doi.org/10.1029/2001JA900173).
- [8] Belmon, L., H. Benoit-Cattin, A. Baskurt, and J.-L. Bougeret (2002), Lossy compression of scientific spacecraft data using wavelets. Application to the CASSINI spacecraft data compression, *Astron. & Astrophys.*, **386**, 1143–1152, [10.1051/0004-6361:20020225](https://doi.org/10.1051/0004-6361:20020225).
- [9] Berdichevsky, D. B., C. J. Farrugia, B. J. Thompson, R. P. Lepping, D. V. Reames, M. L. Kaiser, J. T. Steinberg, S. P. Plunkett, and D. J. Michels (2002), Halo-coronal mass ejections near the 23rd solar minimum: lift-off, inner heliosphere, and in situ (1 AU) signatures, *Ann. Geophys.*, **20**, 891–916, [10.5194/angeo-20-891-2002](https://doi.org/10.5194/angeo-20-891-2002).
- [10] Birch, P. C., and S. C. Chapman (2002), Two dimensional particle-in-cell simulations of the lunar wake, *Phys. Plasmas*, **9**, 1785–1789, [10.1063/1.1467655](https://doi.org/10.1063/1.1467655).
- [11] Bleybel, A., T. Amari, L. van Driel-Gesztelyi, and K. D. Leka (2002), Global budget for an eruptive active region . I. Equilibrium reconstruction approach, *Astron. & Astrophys.*, **395**, 685–695, [10.1051/0004-6361:20021332](https://doi.org/10.1051/0004-6361:20021332).
- [12] Bobrovnikov, S., I. Alexeev, E. Belenkaya, V. Kalegaev, C. Clauer, and Y. Feldstein (2002), Case study of September 24 - 26, 1998 magnetic storm, in *34th COSPAR Scientific Assembly*, vol. 34.

List of Refereed Publications
Wind Spacecraft: 2002

- [13] Borodkova, N. L., A. G. Yahnin, K. Liou, J.-A. Sauvaud, A. O. Fedorov, V. N. Lutsenko, M. N. Nozdrachev, and A. A. Lyubchich (2002), Plasma sheet fast flows and auroral dynamics during substorm: a case study, *Ann. Geophys.*, **20**, 341–347, [10.5194/angeo-20-341-2002](https://doi.org/10.5194/angeo-20-341-2002).
- [14] Bouhram, M., N. Dubouloz, M. Malingre, J. R. Jasperse, R. Pottelette, C. Senior, D. Delcourt, C. W. Carlson, I. Roth, M. Berthomier, and J.-A. Sauvaud (2002), Ion outflow and associated perpendicular heating in the cusp observed by Interball Auroral Probe and Fast Auroral Snapshot, *J. Geophys. Res.*, **107**, 1023, [10.1029/2001JA000091](https://doi.org/10.1029/2001JA000091).
- [15] Brandt, J. C., M. Snow, Y. Yi, S. M. Larson, H. Mikuz, C. C. Petersen, and W. Liller (2002), Large-Scale Structures in Comet Hale-Bopp, *Earth Moon and Planets*, **90**, 15–33, [10.1023/A:1021552031857](https://doi.org/10.1023/A:1021552031857).
- [16] Breen, A. R., P. Riley, A. J. Lazarus, A. Canals, R. A. Fallows, J. Linker, and Z. Mikic (2002), The solar wind at solar maximum: comparisons of EISCAT IPS and in situ observations, *Ann. Geophys.*, **20**, 1291–1309, [10.5194/angeo-20-1291-2002](https://doi.org/10.5194/angeo-20-1291-2002).
- [17] Brekke, P. (2002), Solar eruptions - the effects on the Earth's environment, *Highlights Astron.*, **12**, 384–388.
- [18] Bühler, P., and L. Desorgher (2002), Relativistic electron enhancements, magnetic storms, and substorm activity, *J. Atmos. Solar-Terr. Phys.*, **64**, 593–599, [10.1016/S1364-6826\(02\)00017-2](https://doi.org/10.1016/S1364-6826(02)00017-2).
- [19] Cane, H. V., W. C. Erickson, and N. P. Prestage (2002), Solar flares, type III radio bursts, coronal mass ejections, and energetic particles, *J. Geophys. Res.*, **107**(A10), 1315, [10.1029/2001JA000320](https://doi.org/10.1029/2001JA000320).
- [20] Castro Cerón, J. M., A. J. Castro-Tirado, J. Gorosabel, J. Hjorth, J. U. Fynbo, B. L. Jensen, H. Pedersen, M. I. Andersen, M. López-Corredoira, O. Suárez, Y. Grosdidier, J. Casares, D. Pérez-Ramírez, B. Milvang-Jensen, G. Mallén-Ornelas, A. Fruchter, J. Greiner, E. Pian, P. M. Vreeswijk, S. D. Barthelmy, T. Cline, F. Frontera, L. Kaper, S. Klose, C. Kouveliotou, D. H. Hartmann, K. Hurley, N. Masetti, E. Mazets, E. Palazzi, H. S. Park, E. Rol, I. Salamanca, N. Tanvir, J. I. Trombka, R. A. M. J. Wijers, G. G. Williams, and E. van den Heuvel (2002), The bright optical afterglow of the long GRB 001007, *Astron. & Astrophys.*, **393**, 445–451, [10.1051/0004-6361:20021010](https://doi.org/10.1051/0004-6361:20021010).
- [21] Chen, J., and T. A. Fritz (2002), Multiple spacecraft observations of energetic ions during a major geomagnetic storm, *Adv. Space Res.*, **30**, 1749–1755, [10.1016/S0273-1177\(02\)00444-1](https://doi.org/10.1016/S0273-1177(02)00444-1).
- [22] Cheng, C.-C., C. T. Russell, Y. F. Gao, and P. J. Chi (2002), On consecutive bursts of low-latitude Pi2 pulsations, *J. Atmos. Solar-Terr. Phys.*, **64**, 1809–1821, [10.1016/S1364-6826\(02\)00190-6](https://doi.org/10.1016/S1364-6826(02)00190-6).
- [23] Cheng, C.-C., C. T. Russell, M. Connors, and P. J. Chi (2002), Relationship between multiple substorm onsets and the IMF: A case study, *J. Geophys. Res.*, **107**, 1289, [10.1029/2001JA007553](https://doi.org/10.1029/2001JA007553).

List of Refereed Publications
Wind Spacecraft: 2002

- [24] Chisham, G., M. Pinnock, I. J. Coleman, M. R. Hairston, and A. D. M. Walker (2002), An unusual geometry of the ionospheric signature of the cusp: implications for magnetopause merging sites, *Ann. Geophys.*, **20**, 29–40, [10.5194/angeo-20-29-2002](https://doi.org/10.5194/angeo-20-29-2002).
- [25] Chisham, G., I. J. Coleman, M. P. Freeman, M. Pinnock, and M. Lester (2002), Ionospheric signatures of split reconnection X-lines during conditions of IMF $B_z < 0$ and $-B_y \sim -B_z$: Evidence for the antiparallel merging hypothesis, *J. Geophys. Res.*, **107**, 1323, [10.1029/2001JA009124](https://doi.org/10.1029/2001JA009124).
- [26] Cid, C., M. A. Hidalgo, T. Nieves-Chinchilla, J. Sequeiros, and A. F. Viñas (2002), Plasma and Magnetic Field Inside Magnetic Clouds: a Global Study, *Solar Phys.*, **207**, 187–198.
- [27] Claßen, H. T., and H. Aurass (2002), On the association between type II radio bursts and CMEs, *Astron. & Astrophys.*, **384**, 1098–1106, [10.1051/0004-6361:20020092](https://doi.org/10.1051/0004-6361:20020092).
- [28] Consolini, G., and T. Chang (2002), Complexity, magnetic field topology, criticality, and metastability in magnetotail dynamics, *J. Atmos. Solar-Terr. Phys.*, **64**, 541–549, [10.1016/S1364-6826\(02\)00011-1](https://doi.org/10.1016/S1364-6826(02)00011-1).
- [29] Cranmer, S. R. (2002), Coronal Holes and the High-Speed Solar Wind, *Space Sci. Rev.*, **101**, 229–294.
- [30] Cummings, A. C., E. C. Stone, and C. D. Steenberg (2002), Composition of Anomalous Cosmic Rays and Other Heliospheric Ions, *Astrophys. J.*, **578**, 194–210, [10.1086/342427](https://doi.org/10.1086/342427).
- [31] Dalin, P., G. Zastenker, K. Paularena, and J. Richardson (2002), The main features of solar wind plasma correlations of importance to space weather strategy, *J. Atmos. Solar-Terr. Phys.*, **64**, 737–742, [10.1016/S1364-6826\(02\)00035-4](https://doi.org/10.1016/S1364-6826(02)00035-4).
- [32] Dalin, P. A., G. N. Zastenker, K. I. Paularena, and J. D. Richardson (2002), A Survey of large, rapid solar wind dynamic pressure changes observed by Interball-1 and IMP 8, *Ann. Geophys.*, **20**, 293–299, [10.5194/angeo-20-293-2002](https://doi.org/10.5194/angeo-20-293-2002).
- [33] Dalin, P. A., G. N. Zastenker, and J. D. Richardson (2002), Orientation of Middle-Scale Structures in the Solar Wind Plasma, *Cosmic Res.*, **40**, 319–323.
- [34] Daly, E. J. (2002), Space weather: a brief review, in *Solspa 2001, Proceedings of the Second Solar Cycle and Space Weather Euroconference, ESA Special Publication*, vol. 477, edited by H. Sawaya-Lacoste, pp. D17+.
- [35] Dasso, S., D. Gómez, and C. H. Mandrini (2002), Ring current decay rates of magnetic storms: A statistical study from 1957 to 1998, *J. Geophys. Res.*, **107**, 1059, [10.1029/2000JA000430](https://doi.org/10.1029/2000JA000430).
- [36] Davies, J. A., T. K. Yeoman, I. J. Rae, S. E. Milan, M. Lester, M. Lockwood, and A. McWilliams (2002), Ground-based observations of the auroral zone and polar cap ionospheric responses to dayside transient reconnection, *Ann. Geophys.*, **20**, 781–794, [10.5194/angeo-20-781-2002](https://doi.org/10.5194/angeo-20-781-2002).

List of Refereed Publications
Wind Spacecraft: 2002

- [37] del Pozo, C. F., P. J. S. Williams, N. J. Gazey, P. N. Smith, F. Honary, and M. Kosch (2002), Multi-instrument observations of the dynamics of auroral arcs: a case study, *J. Atmos. Solar-Terr. Phys.*, **64**, 1601–1616, [10.1016/S1364-6826\(02\)00083-4](https://doi.org/10.1016/S1364-6826(02)00083-4).
- [38] Démoulin, P., C. H. Mandrini, L. van Driel-Gesztelyi, B. J. Thompson, S. Plunkett, Z. Kovári, G. Aulanier, and A. Young (2002), What is the source of the magnetic helicity shed by CMEs? The long-term helicity budget of AR 7978, *Astron. & Astrophys.*, **382**, 650–665, [10.1051/0004-6361:20011634](https://doi.org/10.1051/0004-6361:20011634).
- [39] Dryer, M. (2002), Application of the classical initial-boundary value problem to the Sun-to-Earth's space weather disturbances: some results and statistics, in *Solspa 2001, Proceedings of the Second Solar Cycle and Space Weather Euroconference, ESA Special Publication*, vol. 477, edited by H. Sawaya-Lacoste, pp. 9–17.
- [40] Eriksson, S., J. W. Bonnell, L. G. Blomberg, R. E. Ergun, G. T. Marklund, and C. W. Carlson (2002), Lobe cell convection and field-aligned currents poleward of the region 1 current system, *J. Geophys. Res.*, **107**, 1185, [10.1029/2001JA005041](https://doi.org/10.1029/2001JA005041).
- [41] Fárnik, F., M. Karlický, H. Hudson, and T. Kosugi (2002), X-ray and radio observations in the initial development of an X-class solar flare, in *From Solar Min to Max: Half a Solar Cycle with SOHO, ESA Special Publication*, vol. 508, edited by A. Wilson, pp. 441–444.
- [42] Farrell, W. M., J. T. Steinberg, and A. C. Tribble (2002), Similarities in the Plasma Wake of the Moon and Space Shuttle, *J. Spacecraft and Rockets*, **39**, 749–754, [10.2514/2.3874](https://doi.org/10.2514/2.3874).
- [43] Farrell, W. M., M. D. Desch, M. L. Kaiser, and K. Goetz (2002), The dominance of electron plasma waves near a reconnection X-line region, *Geophys. Res. Lett.*, **29**, 1902, [10.1029/2002GL014662](https://doi.org/10.1029/2002GL014662).
- [44] Farrugia, C. J., M. Popecki, E. Möbius, V. K. Jordanova, M. I. Desai, R. J. Fitzenreiter, K. W. Ogilvie, H. Matsui, S. Lepri, T. Zurbuchen, G. M. Mason, G. R. Lawrence, L. F. Burlaga, R. P. Lepping, J. R. Dwyer, and D. McComas (2002), Wind and ACE observations during the great flow of 1-4 May 1998: Relation to solar activity and implications for the magnetosphere, *J. Geophys. Res.*, **107**, 1240, [10.1029/2001JA000188](https://doi.org/10.1029/2001JA000188).
- [45] Fedorov, A., E. Budnik, and J.-A. Sauvaud (2002), On the origin of the high-latitude boundary layer, *Adv. Space Res.*, **30**, 2763–2770, [10.1016/S0273-1177\(02\)80406-9](https://doi.org/10.1016/S0273-1177(02)80406-9).
- [46] Fedorov, A., E. Budnik, and J.-A. Sauvaud (2002), Interconnection of high-latitude and low-latitude boundary layers when IMF B_Y is dominant, *Adv. Space Res.*, **30**, 2771–2779, [10.1016/S0273-1177\(02\)80408-2](https://doi.org/10.1016/S0273-1177(02)80408-2).
- [47] Fillingim, M. O. (2002), Kinetic processes in the plasma sheet observed during auroral activity, Ph.D. thesis, University of Washington.
- [48] Frey, H. U., S. B. Mende, T. J. Immel, S. A. Fuselier, E. S. Claffin, J.-C. Gérard, and B. Hubert (2002), Proton aurora in the cusp, *J. Geophys. Res.*, **107**, 1091, [10.1029/2001JA900161](https://doi.org/10.1029/2001JA900161).

List of Refereed Publications
Wind Spacecraft: 2002

- [49] Fuselier, S. A., J. H. Waite, L. A. Avanov, V. M. Smirnov, O. L. Vaisberg, G. Siscoe, and C. T. Russell (2002), Characteristics of magnetosheath plasma in the vicinity of the high-altitude cusp, *Planet. Space Sci.*, **50**, 559–566, [10.1016/S0032-0633\(02\)00035-1](https://doi.org/10.1016/S0032-0633(02)00035-1).
- [50] Fuselier, S. A., H. U. Frey, K. J. Trattner, S. B. Mende, and J. L. Burch (2002), Cusp aurora dependence on interplanetary magnetic field B_z , *J. Geophys. Res.*, **107**, 1111, [10.1029/2001JA900165](https://doi.org/10.1029/2001JA900165).
- [51] Fuselier, S. A., J. Berchem, K. J. Trattner, and R. Friedel (2002), Tracing ions in the cusp and low-latitude boundary layer using multispacecraft observations and a global MHD simulation, *J. Geophys. Res.*, **107**, 1226, [10.1029/2001JA000130](https://doi.org/10.1029/2001JA000130).
- [52] Gauld, J. K., T. K. Yeoman, J. A. Davies, S. E. Milan, and F. Honary (2002), SuperDARN radar HF propagation and absorption response to the substorm expansion phase, *Ann. Geophys.*, **20**, 1631–1645, [10.5194/angeo-20-1631-2002](https://doi.org/10.5194/angeo-20-1631-2002).
- [53] Goldstein, J., R. W. Spiro, P. H. Reiff, R. A. Wolf, B. R. Sandel, J. W. Freeman, and R. L. Lambour (2002), IMF-driven overshielding electric field and the origin of the plasmaspheric shoulder of May 24, 2000, *Geophys. Res. Lett.*, **29**, 1819, [10.1029/2001GL014534](https://doi.org/10.1029/2001GL014534).
- [54] Gómez-Herrero, R., M. D. Rodríguez-Frías, L. del Peral, R. Müller-Mellin, and H. Kunow (2002), SOHO/EPHIN observation of a multiple large solar energetic particles event in November 1997, *Astroparticle Phys.*, **17**, 1–12, [10.1016/S0927-6505\(01\)00136-0](https://doi.org/10.1016/S0927-6505(01)00136-0).
- [55] Gopalswamy, N. (2002), Interplanetary Radio Bursts, in *American Astronomical Society Meeting Abstracts #200*, *Bulletin of the American Astronomical Society*, vol. 34, pp. 722–+.
- [56] Gopalswamy, N., and M. L. Kaiser (2002), Solar eruptions and long wavelength radio bursts: The 1997 May 12 event, *Adv. Space Res.*, **29**, 307–312, [10.1016/S0273-1177\(01\)00589-0](https://doi.org/10.1016/S0273-1177(01)00589-0).
- [57] Gopalswamy, N., S. Yashiro, M. L. Kaiser, R. A. Howard, and J.-L. Bougeret (2002), Interplanetary radio emission due to interaction between two coronal mass ejections, *Geophys. Res. Lett.*, **29**, 1265, [10.1029/2001GL013606](https://doi.org/10.1029/2001GL013606).
- [58] Gopalswamy, N., S. Yashiro, G. Michalek, M. L. Kaiser, R. A. Howard, D. V. Reames, R. Leske, and T. von Rosenvinge (2002), Interacting Coronal Mass Ejections and Solar Energetic Particles, *Astrophys. J.*, **572**, L103–L107, [10.1086/341601](https://doi.org/10.1086/341601).
- [59] Grigorenko, E. E., A. Fedorov, and L. M. Zelenyi (2002), Statistical study of transient plasma structures in magnetotail lobes and plasma sheet boundary layer: Interball-1 observations, *Ann. Geophys.*, **20**, 329–340, [10.5194/angeo-20-329-2002](https://doi.org/10.5194/angeo-20-329-2002).
- [60] Grigorenko, E. E., A. O. Fedorov, and L. M. Zelenyi (2002), Statistical properties of beamlets in the Earth’s magnetotail, *Adv. Space Res.*, **30**, 1809–1816, [10.1016/S0273-1177\(02\)00454-4](https://doi.org/10.1016/S0273-1177(02)00454-4).

List of Refereed Publications
Wind Spacecraft: 2002

- [61] Haggerty, D. K., and E. C. Roelof (2002), Impulsive Near-relativistic Solar Electron Events: Delayed Injection with Respect to Solar Electromagnetic Emission, *Astrophys. J.*, **579**, 841–853, [10.1086/342870](https://doi.org/10.1086/342870).
- [62] Halekas, J. S., D. L. Mitchell, R. P. Lin, L. L. Hood, M. H. Acuña, and A. B. Binder (2002), Evidence for negative charging of the lunar surface in shadow, *Geophys. Res. Lett.*, **29**, 1435, [10.1029/2001GL014428](https://doi.org/10.1029/2001GL014428).
- [63] Hernanz, M., J. Gómez-Gomar, and J. José (2002), The prompt gamma-ray emission of novae, *New Astron. Rev.*, **46**, 559–563, [10.1016/S1387-6473\(02\)00201-4](https://doi.org/10.1016/S1387-6473(02)00201-4).
- [64] Hidalgo, M. A., T. Nieves-Chinchilla, and C. Cid (2002), Elliptical cross-section model for the magnetic topology of magnetic clouds, *Geophys. Res. Lett.*, **29**(13), 1637, [10.1029/2001GL013875](https://doi.org/10.1029/2001GL013875).
- [65] Hillaris, A., G. P. Chernov, P. Zlobec, and C. Caroubalos (2002), An analysis of fine structures in the range 250 - 450 MHz in a radio burst September, 23, 1998, in *Solar Variability: From Core to Outer Frontiers*, *ESA Special Publication*, vol. 506, edited by A. Wilson, pp. 637–640.
- [66] Hnat, B., S. C. Chapman, G. Rowlands, N. W. Watkins, and W. M. Farrell (2002), Finite size scaling in the solar wind magnetic field energy density as seen by WIND, *Geophys. Res. Lett.*, **29**, 1446, [10.1029/2001GL014587](https://doi.org/10.1029/2001GL014587).
- [67] Hnat, B., S. C. Chapman, G. Rowlands, N. W. Watkins, and M. P. Freeman (2002), Scaling of solar wind ϵ and the AU, AL and AE indices as seen by WIND, *Geophys. Res. Lett.*, **29**, 2078, [10.1029/2002GL016054](https://doi.org/10.1029/2002GL016054).
- [68] Hu, Q., and B. U. Ö. Sonnerup (2002), Reconstruction of magnetic clouds in the solar wind: Orientations and configurations, *J. Geophys. Res.*, **107**, 1142, [10.1029/2001JA000293](https://doi.org/10.1029/2001JA000293).
- [69] Hurley, K., E. Berger, A. Castro-Tirado, J. M. Castro Cerón, T. Cline, M. Feroci, D. A. Frail, F. Frontera, N. Masetti, C. Guidorzi, E. Montanari, D. H. Hartmann, A. Henden, S. E. Levine, E. Mazets, S. Golenetskii, D. Frederiks, G. Morrison, A. Oksanen, M. Moilanen, H.-S. Park, P. A. Price, J. Prochaska, J. Trombka, and G. Williams (2002), Afterglow Upper Limits for Four Short-Duration, Hard Spectrum Gamma-Ray Bursts, *Astrophys. J.*, **567**, 447–453, [10.1086/338420](https://doi.org/10.1086/338420).
- [70] Huttunen, K. E. J., H. E. J. Koskinen, T. I. Pulkkinen, A. Pulkkinen, M. Palmroth, E. G. D. Reeves, and H. J. Singer (2002), April 2000 magnetic storm: Solar wind driver and magnetospheric response, *J. Geophys. Res.*, **107**, 1440, [10.1029/2001JA009154](https://doi.org/10.1029/2001JA009154).
- [71] Iles, R. H. A., A. N. Fazakerley, A. D. Johnstone, N. P. Meredith, and P. Bühler (2002), The relativistic electron response in the outer radiation belt during magnetic storms, *Ann. Geophys.*, **20**, 957–965, [10.5194/angeo-20-957-2002](https://doi.org/10.5194/angeo-20-957-2002).

List of Refereed Publications
Wind Spacecraft: 2002

- [72] Jakowski, N., S. Heise, A. Wehrenpfennig, S. Schlüter, and R. Reimer (2002), GPS/GLONASS-based TEC measurements as a contributor for space weather forecast, *J. Atmos. Solar-Terr. Phys.*, **64**, 729–735, [10.1016/S1364-6826\(02\)00034-2](https://doi.org/10.1016/S1364-6826(02)00034-2).
- [73] Jayachandran, P. T., J. W. MacDougall, D. R. Moorcroft, J.-P. St-Maurice, K. Liou, and P. T. Newell (2002), Substorm onset location and the equatorward boundary of the proton auroral oval, *Geophys. Res. Lett.*, **29**, 2159, [10.1029/2002GL015484](https://doi.org/10.1029/2002GL015484).
- [74] Jurac, S., J. C. Kasper, J. D. Richardson, and A. J. Lazarus (2002), Geomagnetic disturbances and their relationship to Interplanetary shock parameters, *Geophys. Res. Lett.*, **29**, 1463, [10.1029/2001GL014034](https://doi.org/10.1029/2001GL014034).
- [75] Kasper, J. C. (2002), Solar wind plasma: Kinetic properties and micro- instabilities, Ph.D. thesis, MASSACHUSETTS INSTITUTE OF TECHNOLOGY.
- [76] Kasper, J. C., A. J. Lazarus, and S. P. Gary (2002), Wind/SWE observations of firehose constraint on solar wind proton temperature anisotropy, *Geophys. Res. Lett.*, **29**, 1839, [10.1029/2002GL015128](https://doi.org/10.1029/2002GL015128).
- [77] Kawano, H., G. Le, C. T. Russell, G. Rostoker, M. J. Brittner, and G. K. Parks (2002), Substorm-time magnetic field perturbations in the polar magnetosphere: POLAR observations, *Earth, Planets, and Space*, **54**, 963–971.
- [78] Kepko, L., H. E. Spence, and H. J. Singer (2002), ULF waves in the solar wind as direct drivers of magnetospheric pulsations, *Geophys. Res. Lett.*, **29**, 1197, [10.1029/2001GL014405](https://doi.org/10.1029/2001GL014405).
- [79] Kim, K.-H., N. Lin, C. A. Cattell, Y. Song, and D.-H. Lee (2002), Evidence for component merging near the subsolar magnetopause: Geotail observations, *Geophys. Res. Lett.*, **29**, 1080, [10.1029/2001GL014636](https://doi.org/10.1029/2001GL014636).
- [80] Kim, K.-H., C. A. Cattell, D.-H. Lee, K. Takahashi, K. Yumoto, K. Shiokawa, F. S. Mozer, and M. Andre (2002), Magnetospheric responses to sudden and quasiperiodic solar wind variations, *J. Geophys. Res.*, **107**, 1406, [10.1029/2002JA009342](https://doi.org/10.1029/2002JA009342).
- [81] Klassen, A., V. Bothmer, G. Mann, M. J. Reiner, S. Krucker, A. Vourlidas, and H. Kunow (2002), Solar energetic electron events and coronal shocks, *Astron. & Astrophys.*, **385**, 1078–1088, [10.1051/0004-6361:20020205](https://doi.org/10.1051/0004-6361:20020205).
- [82] Kleimenova, N. G., O. V. Kozyreva, K. Kauristie, J. Manninen, and A. Ranta (2002), Case studies on the dynamics of Pi3 geomagnetic and riometer pulsations during auroral activations, *Ann. Geophys.*, **20**, 151–159, [10.5194/angeo-20-151-2002](https://doi.org/10.5194/angeo-20-151-2002).
- [83] Kotova, G. A., V. V. Bezrukikh, M. I. Verigin, and L. A. Lezhen (2002), Temperature and density variations in the dusk and dawn plasmasphere as observed by interball tail in 1999 - 2000, *Adv. Space Res.*, **30**, 1831–1834, [10.1016/S0273-1177\(02\)00458-1](https://doi.org/10.1016/S0273-1177(02)00458-1).

List of Refereed Publications
Wind Spacecraft: 2002

- [84] Kotova, G. A., V. V. Bezrukikh, M. I. Verigin, L. A. Lezhen, and N. A. Barabanov (2002), Interball 1/alpha 3 cold plasma measurements in the evening plasmasphere: Quite and disturbed magnetic conditions, *Adv. Space Res.*, **30**, 2313–2318, [10.1016/S0273-1177\(02\)80256-3](https://doi.org/10.1016/S0273-1177(02)80256-3).
- [85] Krucker, S., and R. P. Lin (2002), Relative Timing and Spectra of Solar Flare Hard X-ray Sources, *Solar Phys.*, **210**, 229–243, [10.1023/A:1022469902940](https://doi.org/10.1023/A:1022469902940).
- [86] Krucker, S., R. P. Lin, A. Caspi, H. Hudson, R. S. Schwartz, C. M. Johns-Krull, and RHESSI Team (2002), Imaging Spectroscopy of the February 20, 2002 flare: RHESSI Observations, in *American Astronomical Society Meeting Abstracts #200, Bulletin of the American Astronomical Society*, vol. 34, pp. 776–+.
- [87] Kuril’chik, V. N., and V. S. Prokudina (2002), Investigation of Long-Wave Radio Bursts from Interball-1 Satellite Observations, *Cosmic Res.*, **40**, 25–31.
- [88] Lacombe, C., C. Salem, A. Mangeney, D. Hubert, C. Perche, J.-L. Bougeret, P. J. Kellogg, and J.-M. Bosqued (2002), Evidence for the interplanetary electric potential? WIND observations of electrostatic fluctuations, *Ann. Geophys.*, **20**, 609–618, [10.5194/angeo-20-609-2002](https://doi.org/10.5194/angeo-20-609-2002).
- [89] Lazarus, A. J. (2002), MO and DA on the SWIE Instrument on the Wind Spacecraft, *NASA STI/Recon Technical Report N*, **26**, 68,960–+.
- [90] Leamon, R. J., R. C. Canfield, and A. A. Pevtsov (2002), Properties of magnetic clouds and geomagnetic storms associated with eruption of coronal sigmoids, *J. Geophys. Res.*, **107**, 1234, [10.1029/2001JA000313](https://doi.org/10.1029/2001JA000313).
- [91] Lin, R. P., and Rhesi Team (2002), RHESSSE observations of particle acceleration in solar flares, in *Solar Variability: From Core to Outer Frontiers, ESA Special Publication*, vol. 506, edited by A. Wilson, pp. 1035–1044.
- [92] Lin, R. P., B. R. Dennis, G. J. Hurford, D. M. Smith, A. Zehnder, P. R. Harvey, D. W. Curtis, D. Pankow, P. Turin, M. Bester, A. Csillaghy, M. Lewis, N. Madden, H. F. van Beek, M. Appleby, T. Raudorf, J. McTiernan, R. Ramaty, E. Schmahl, R. Schwartz, S. Krucker, R. Abiad, T. Quinn, P. Berg, M. Hashii, R. Sterling, R. Jackson, R. Pratt, R. D. Campbell, D. Malone, D. Landis, C. P. Barrington-Leigh, S. Slassi-Sennou, C. Cork, D. Clark, D. Amato, L. Orwig, R. Boyle, I. S. Banks, K. Shirey, A. K. Tolbert, D. Zarro, F. Snow, K. Thomsen, R. Henneck, A. McHedlishvili, P. Ming, M. Fivian, J. Jordan, R. Wanner, J. Crubb, J. Preble, M. Matranga, A. Benz, H. Hudson, R. C. Canfield, G. D. Holman, C. Crannell, T. Kosugi, A. G. Emslie, N. Vilmer, J. C. Brown, C. Johns-Krull, M. Aschwanden, T. Metcalf, and A. Conway (2002), The Reuven Ramaty High-Energy Solar Spectroscopic Imager (RHESSI), *Solar Phys.*, **210**, 3–32, [10.1023/A:1022428818870](https://doi.org/10.1023/A:1022428818870).
- [93] Liou, K., C.-C. Wu, R. P. Lepping, P. T. Newell, and C.-I. Meng (2002), Midday sub-auroral patches (MSPs) associated with interplanetary shocks, *Geophys. Res. Lett.*, **29**, 1771, [10.1029/2001GL014182](https://doi.org/10.1029/2001GL014182).

List of Refereed Publications
Wind Spacecraft: 2002

- [94] Lisse, C., and D. J. Christian (2002), Cometary X-rays - the EUVE Photometric Legacy, in *Continuing the Challenge of EUV Astronomy: Current Analysis and Prospects for the Future*, *Astronomical Society of the Pacific Conference Series*, vol. 264, edited by S. B. Howell, J. Dupuis, D. Golombek, F. M. Walter, & J. Cullison, pp. 254–+.
- [95] Lisse, C. M. (2002), Cometary X-ray Emission: the View After the First Chandra Observations, in *The High Energy Universe at Sharp Focus: Chandra Science*, *Astronomical Society of the Pacific Conference Series*, vol. 262, edited by E. M. Schlegel & S. D. Vrtilek, pp. 3–+.
- [96] Luoni, M. L., C. H. Mandrini, P. Démoulin, L. van Driel-Gesztelyi, and M. C. López Fuentes (2002), Relation between the coronal magnetic helicity to the helicity in interplanetary magnetic clouds, *Boletín de la Asociación Argentina de Astronomía La Plata Argentina*, **45**, 20–21.
- [97] Ma, S. Y., H. T. Cai, H. X. Liu, K. Schlegel, and G. Lu (2002), Positive storm effects in the dayside polar ionospheric F-region observed by EISCAT and ESR during the magnetic storm of 15 May 1997, *Ann. Geophys.*, **20**, 1377–1384, [10.5194/angeo-20-1377-2002](https://doi.org/10.5194/angeo-20-1377-2002).
- [98] Maeda, S., S. Nozawa, M. Sugino, H. Fujiwara, and M. Suzuki (2002), Ion and neutral temperature distributions in the E-region observed by the EISCAT Tromsø and Svalbard radars, *Ann. Geophys.*, **20**, 1415–1427, [10.5194/angeo-20-1415-2002](https://doi.org/10.5194/angeo-20-1415-2002).
- [99] Magdaleníć, J., B. Vršnak, and H. Aurass (2002), Solar type II radio bursts: emission from shock segments with a collapsing trap geometry?, in *Solar Variability: From Core to Outer Frontiers*, *ESA Special Publication*, vol. 506, edited by A. Wilson, pp. 335–338.
- [100] Mall, U., and N. Borisov (2002), On the creation of electric fields around the moon - applications to remote sensing of electric conductivities, *Adv. Space Res.*, **30**, 1883–1888, [10.1016/S0273-1177\(02\)00492-1](https://doi.org/10.1016/S0273-1177(02)00492-1).
- [101] Mall, U., S. Christon, E. Kirsch, and G. Gloeckler (2002), On the solar cycle dependence of the N⁺/O⁺ content in the magnetosphere and its relation to atomic N and O in the Earth's exosphere, *Geophys. Res. Lett.*, **29**, 1593, [10.1029/2001GL013957](https://doi.org/10.1029/2001GL013957).
- [102] Mancuso, S., J. C. Raymond, J. Kohl, Y.-K. Ko, M. Uzzo, and R. Wu (2002), UVCS/SOHO observations of a CME-driven shock: Consequences on ion heating mechanisms behind a coronal shock, *Astron. & Astrophys.*, **383**, 267–274, [10.1051/0004-6361:20011721](https://doi.org/10.1051/0004-6361:20011721).
- [103] Mann, G., H. T. Classen, E. Keppler, and E. C. Roelof (2002), On electron acceleration at CIR related shock waves, *Astron. & Astrophys.*, **391**, 749–756, [10.1051/0004-6361:20020866](https://doi.org/10.1051/0004-6361:20020866).
- [104] Manninen, J., N. G. Kleimenova, O. V. Kozyreva, and A. Ranta (2002), High-latitude geomagnetic pulsation response to the passage of the front edge of the interplanetary magnetic cloud of January 10, 1997, *J. Atmos. Solar-Terr. Phys.*, **64**, 1855–1864, [10.1016/S1364-6826\(02\)00188-8](https://doi.org/10.1016/S1364-6826(02)00188-8).

List of Refereed Publications
Wind Spacecraft: 2002

- [105] Manuel, O., and A. Katragada (2002), The Sun's origin and composition: implications from meteorite studies, in *Asteroids, Comets, and Meteors: ACM 2002, ESA Special Publication*, vol. 500, edited by B. Warmbein, pp. 787–790.
- [106] Marsden, R. G. (2002), The rising phase of solar cycle 23 as seen by Ulysses, *Adv. Space Res.*, **29**, 401–409, [10.1016/S0273-1177\(01\)00603-2](https://doi.org/10.1016/S0273-1177(01)00603-2).
- [107] Massetti, S., S. Orsini, M. Candidi, and K. Kauristie (2002), Dayside pulsed aurora intensifications, observed by ITACA during constant interplanetary magnetic field $B_z \sim 0$ and $B_y \ll 0$, *J. Geophys. Res.*, **107**, 1255, [10.1029/2001JA009204](https://doi.org/10.1029/2001JA009204).
- [108] Matsui, H., C. J. Farrugia, and R. B. Torbert (2002), Wind-ACE solar wind correlations, 1999: An approach through spectral analysis, *J. Geophys. Res.*, **107**, 1355, [10.1029/2002JA009251](https://doi.org/10.1029/2002JA009251).
- [109] Matthaeus, W. H., P. Dmitruk, and L. J. Milano (2002), Mini-conference on plasma turbulence in the corona, heliosphere and interstellar medium, *Phys. Plasmas*, **9**, 2440–2445, [10.1063/1.1463067](https://doi.org/10.1063/1.1463067).
- [110] Mazets, E. P., R. L. Aptekar, D. D. Frederiks, S. V. Golenetskii, V. N. Il'inskii, V. D. Palshin, T. L. Cline, and P. S. Butterworth (2002), Konus catalog of short GRBs, *ArXiv Astrophysics e-prints*.
- [111] McDonald, F. B., B. Klecker, R. E. McGuire, and D. V. Reames (2002), Relative recovery of galactic and anomalous cosmic rays at 1 AU: Further evidence for modulation in the heliosheath, *J. Geophys. Res.*, **107**, 1156, [10.1029/2001JA000206](https://doi.org/10.1029/2001JA000206).
- [112] McKenna-Lawlor, S. M. P., M. Dryer, Z. Smith, K. Kecskemety, C. D. Fry, W. Sun, C. S. Deehr, D. Berdichevsky, K. Kudela, and G. Zastenker (2002), Arrival times of Flare/Halo CME associated shocks at the Earth: comparison of the predictions of three numerical models with these observations, *Ann. Geophys.*, **20**, 917–935, [10.5194/angeo-20-917-2002](https://doi.org/10.5194/angeo-20-917-2002).
- [113] Merka, J., J. Safránková, and Z. Nemecek (2002), Cusp-like plasma in high altitudes: a statistical study of the width and location of the cusp from Magion-4, *Ann. Geophys.*, **20**, 311–320, [10.5194/angeo-20-311-2002](https://doi.org/10.5194/angeo-20-311-2002).
- [114] Meziane, K., A. J. Hull, A. M. Hamza, and R. P. Lin (2002), On the bow shock θ_{Bn} dependence of upstream 70 keV to 2 MeV ion fluxes, *J. Geophys. Res.*, **107**, 1243, [10.1029/2001JA005012](https://doi.org/10.1029/2001JA005012).
- [115] Michalek, G., and R. Zaczowski (2002), Correlation between the onset times of CMEs and type III radio bursts, in *Solar Variability: From Core to Outer Frontiers, ESA Special Publication*, vol. 506, edited by A. Wilson, pp. 185–188.
- [116] Michalek, G., N. Gopalswamy, M. Reiner, S. Yashiro, M. L. Kaiser, and R. A. Howard (2002), Estimation of projection effect of CMEs from the onset time of shock-associated type III radio burst, in *From Solar Min to Max: Half a Solar Cycle with SOHO, ESA Special Publication*, vol. 508, edited by A. Wilson, pp. 449–452.

List of Refereed Publications
Wind Spacecraft: 2002

- [117] Milan, S. E., M. Lester, and T. K. Yeoman (2002), HF radar polar patch formation revisited: summer and winter variations in dayside plasma structuring, *Ann. Geophys.*, **20**, 487–499, [10.5194/angeo-20-487-2002](https://doi.org/10.5194/angeo-20-487-2002).
- [118] Mühlbachler, S., C. J. Farrugia, H. K. Biernat, R. B. Torbert, and V. S. Semenov (2002), Geostationary magnetic field signatures of erosion: Wind-Goes observations, in *Solspa 2001, Proceedings of the Second Solar Cycle and Space Weather Euroconference, ESA Special Publication*, vol. 477, edited by H. Sawaya-Lacoste, pp. 459–462.
- [119] Munsami, V., M. Pinnock, and A. S. Rodger (2002), HF radar observation of field-aligned currents associated with quiet time transient flow bursts in the magnetosphere, *J. Geophys. Res.*, **107**, 1232, [10.1029/2001JA000185](https://doi.org/10.1029/2001JA000185).
- [120] Nakagawa, T., and A. Matsuoka (2002), NOZOMI observation of the interplanetary magnetic field in 1998, *Adv. Space Res.*, **29**, 427–432, [10.1016/S0273-1177\(01\)00607-X](https://doi.org/10.1016/S0273-1177(01)00607-X).
- [121] Nikolaeva, N. S., G. N. Zastenker, and N. L. Borodkova (2002), Verification of the Accuracy of the Magnetopause Empirical Models Using the INTERBALL-1 Satellite Data, *Cosmic Res.*, **40**, 324–334.
- [122] Nikolaeva, N. S., G. N. Zastenker, N. L. Borodkova, S. A. Romanov, and M. N. Nozdachev (2002), The magnetopause location as observed by the INTERBALL-1 satellite, *Adv. Space Res.*, **30**, 1705–1710, [10.1016/S0273-1177\(02\)00439-8](https://doi.org/10.1016/S0273-1177(02)00439-8).
- [123] Nindos, A., and H. Zhang (2002), Photospheric Motions and Coronal Mass Ejection Productivity, *Astrophys. J.*, **573**, L133–L136, [10.1086/341937](https://doi.org/10.1086/341937).
- [124] Němeček, Z., J. Šafránková, G. N. Zastenker, P. Pišoft, and K. Jelínek (2002), Low-frequency variations of the ion flux in the magnetosheath, *Planet. Space Sci.*, **50**, 567–575, [10.1016/S0032-0633\(02\)00036-3](https://doi.org/10.1016/S0032-0633(02)00036-3).
- [125] Ogilvie, K. W., and M. D. Desch (2002), The Wind Program in the future, *EOS Transactions*, **83**, 483–483, [10.1029/2002EO000340](https://doi.org/10.1029/2002EO000340).
- [126] Øieroset, M., R. P. Lin, T. D. Phan, D. E. Larson, and S. D. Bale (2002), Evidence for Electron Acceleration up to ~300 keV in the Magnetic Reconnection Diffusion Region of Earth’s Magnetotail, *Phys. Rev. Lett.*, **89**, 195,001–+, [10.1103/PhysRevLett.89.195001](https://doi.org/10.1103/PhysRevLett.89.195001).
- [127] Østgaard, N., G. Germany, J. Stadsnes, and R. R. Vondrak (2002), Energy analysis of substorms based on remote sensing techniques, solar wind measurements, and geomagnetic indices, *J. Geophys. Res.*, **107**, 1233, [10.1029/2001JA002002](https://doi.org/10.1029/2001JA002002).
- [128] Ovchinnikov, I. L., E. E. Antonova, and Y. I. Yermolaev (2002), Turbulence in the Plasma Sheet during Substorms: A Case Study for Three Events Observed by the INTERBALL Tail Probe, *Cosmic Res.*, **40**, 521–528.
- [129] Parkinson, M. L., P. L. Dyson, M. Pinnock, J. C. Devlin, M. R. Hairston, E. Yizengaw, and P. J. Wilkinson (2002), Signatures of the midnight open-closed magnetic field line boundary during balanced dayside and nightside reconnection, *Ann. Geophys.*, **20**, 1617–1630, [10.5194/angeo-20-1617-2002](https://doi.org/10.5194/angeo-20-1617-2002).

List of Refereed Publications
Wind Spacecraft: 2002

- [130] Parks, G. K., L. J. Chen, M. Fillingim, R. P. Lin, D. Larson, and M. McCarthy (2002), A new framework for studying the relationship of aurora and plasma sheet dynamics, *J. Atmos. Solar-Terr. Phys.*, **64**, 115–124, [10.1016/S1364-6826\(01\)00078-5](https://doi.org/10.1016/S1364-6826(01)00078-5).
- [131] Petrukovich, A. A. (2002), The magnetotail dynamics before a substorm, *Adv. Space Res.*, **30**, 1801–1804, [10.1016/S0273-1177\(02\)00452-0](https://doi.org/10.1016/S0273-1177(02)00452-0).
- [132] Petrukovich, A. A., and Y. I. Yermolaev (2002), Interball-tail observations of vertical plasma motions in the magnetotail, *Ann. Geophys.*, **20**, 321–327, [10.5194/angeo-20-321-2002](https://doi.org/10.5194/angeo-20-321-2002).
- [133] Pick, M., D. Maia, S. J. Wang, A. Lecacheux, and S. E. Hawkins, III (2002), Solar origin of near-relativistic impulsive electron events, in *Solar Variability: From Core to Outer Frontiers, ESA Special Publication*, vol. 506, edited by A. Wilson, pp. 249–252.
- [134] Pilipenko, V. A., and M. J. Engebretson (2002), Ground images at high latitudes of ULF wave processes in the outer magnetosphere, *J. Atmos. Solar-Terr. Phys.*, **64**, 183–201, [10.1016/S1364-6826\(01\)00083-9](https://doi.org/10.1016/S1364-6826(01)00083-9).
- [135] Pisarenko, N. F., E. Y. Budnik, Y. I. Yermolaev, I. P. Kirpichev, V. N. Lutsenko, E. I. Morozova, and E. E. Antonova (2002), The ion differential spectra in outer boundary of the ring current: November 17, 1995 case study, *J. Atmos. Solar-Terr. Phys.*, **64**, 573–583, [10.1016/S1364-6826\(02\)00015-9](https://doi.org/10.1016/S1364-6826(02)00015-9).
- [136] Pissarenko, N. F., I. P. Kirpichev, V. N. Lutsenko, E. Y. Budnik, E. I. Morozova, and E. E. Antonova (2002), The Structure of Ion Spectra in Outer Regions of the Ring Current: The November 13, 1995 Event, *Cosmic Res.*, **40**, 15–24.
- [137] Ponomarenko, P. V., B. J. Fraser, F. W. Menk, S. T. Ables, and R. J. Morris (2002), Cusp-latitude Pc3 spectra: band-limited and power-law components, *Ann. Geophys.*, **20**, 1539–1551, [10.5194/angeo-20-1539-2002](https://doi.org/10.5194/angeo-20-1539-2002).
- [138] Popielawska, B., I. Sandahl, V. A. Styazhkin, H. Stenuit, and A. V. Zakharov (2002), Magnetopause poleward of the cusp: Comparison of plasma and magnetic signature of the boundary for southward and northward directed interplanetary magnetic field, *Adv. Space Res.*, **30**, 2799–2808, [10.1016/S0273-1177\(02\)80416-1](https://doi.org/10.1016/S0273-1177(02)80416-1).
- [139] Posner, A., N. A. Schwadron, T. H. Zurbuchen, J. U. Kozyra, M. W. Liemohn, and G. Gloeckler (2002), Association of Low-Charge-State Heavy Ions up to 200 R_e upstream of the Earth's bow shock with geomagnetic disturbances, *Geophys. Res. Lett.*, **29**, 1099, [10.1029/2001GL013449](https://doi.org/10.1029/2001GL013449).
- [140] Price, P. A., E. Berger, S. R. Kulkarni, S. G. Djorgovski, D. W. Fox, A. Mahabal, K. Hurley, J. S. Bloom, D. A. Frail, T. J. Galama, F. A. Harrison, G. Morrison, D. E. Reichart, S. A. Yost, R. Sari, T. S. Axelrod, T. Cline, S. Golenetskii, E. Mazets, B. P. Schmidt, and J. Trombka (2002), The Unusually Long Duration Gamma-Ray Burst GRB 000911: Discovery of the Afterglow and Host Galaxy, *Astrophys. J.*, **573**, 85–91, [10.1086/340585](https://doi.org/10.1086/340585).

List of Refereed Publications
Wind Spacecraft: 2002

- [141] Prikryl, P., G. Provan, K. A. McWilliams, and T. K. Yeoman (2002), Ionospheric cusp flows pulsed by solar wind Alfvén waves, *Ann. Geophys.*, **20**, 161–174, [10.5194/angeo-20-161-2002](https://doi.org/10.5194/angeo-20-161-2002).
- [142] Provan, G., T. K. Yeoman, S. E. Milan, J. M. Ruohoniemi, and R. Barnes (2002), An assessment of the "map-potential" and "beam-swinging" techniques for measuring the ionospheric convection pattern using data from the SuperDARN radars, *Ann. Geophys.*, **20**, 191–202, [10.5194/angeo-20-191-2002](https://doi.org/10.5194/angeo-20-191-2002).
- [143] Provan, G., S. E. Milan, M. Lester, T. K. Yeoman, and H. Khan (2002), Simultaneous observations of the ionospheric footprint of flux transfer events and dispersed ion signatures, *Ann. Geophys.*, **20**, 281–287, [10.5194/angeo-20-281-2002](https://doi.org/10.5194/angeo-20-281-2002).
- [144] Provan, G., T. K. Yeoman, M. Lester, and S. E. Milan (2002), A multi-instrument approach to mapping the global dayside merging rate, *Ann. Geophys.*, **20**, 1905–1920, [10.5194/angeo-20-1905-2002](https://doi.org/10.5194/angeo-20-1905-2002).
- [145] Pryse, S. E., A. M. Smith, L. Kersley, and I. W. McCrea (2002), EISCAT Svalbard radar observations of ionospheric signatures of magnetopause reconnection during a changing IMF Bz polarity, *Ann. Geophys.*, **20**, 477–486, [10.5194/angeo-20-477-2002](https://doi.org/10.5194/angeo-20-477-2002).
- [146] Raj, A., T. Phan, R. P. Lin, and V. Angelopoulos (2002), Wind survey of high-speed bulk flows and field-aligned beams in the near-Earth plasma sheet, *J. Geophys. Res.*, **107**, 1419, [10.1029/2001JA007547](https://doi.org/10.1029/2001JA007547).
- [147] Rajaram, G., T. Arun, and A. Dhar (2002), Diagnostics of magnetosphere-ionosphere coupling over Indian Antarctic station Maitri, from magnetometer and riometer observations during the optical auroral event of 4-5 March 1999, *Adv. Space Res.*, **30**, 2195–2201, [10.1016/S0273-1177\(02\)80220-4](https://doi.org/10.1016/S0273-1177(02)80220-4).
- [148] Raymond, J. C. (2002), Spectroscopic diagnostics of CME material, in *From Solar Min to Max: Half a Solar Cycle with SOHO*, *ESA Special Publication*, vol. 508, edited by A. Wilson, pp. 421–430.
- [149] Reames, D. V., and C. K. Ng (2002), Angular Distributions of Fe/O from Wind: New Insight into Solar Energetic Particle Transport, *Astrophys. J.*, **577**, L59–L62, [10.1086/344146](https://doi.org/10.1086/344146).
- [150] Reames, D. V., and A. J. Tylka (2002), Energetic Particle Abundances as Probes of an Interplanetary Shock Wave, *Astrophys. J.*, **575**, L37–L39, [10.1086/342529](https://doi.org/10.1086/342529).
- [151] Richardson, I. G., H. V. Cane, and E. W. Cliver (2002), Sources of geomagnetic activity during nearly three solar cycles (1972-2000), *J. Geophys. Res.*, **107**, 1187, [10.1029/2001JA000504](https://doi.org/10.1029/2001JA000504).
- [152] Richardson, I. G., E. W. Cliver, and H. V. Cane (2002), Long-term trends in interplanetary magnetic field strength and solar wind structure during the twentieth century, *J. Geophys. Res.*, **107**, 1304, [10.1029/2001JA000507](https://doi.org/10.1029/2001JA000507).

List of Refereed Publications
Wind Spacecraft: 2002

- [153] Richardson, J. D., K. I. Paularena, C. Wang, and L. F. Burlaga (2002), The life of a CME and the development of a MIR: From the Sun to 58 AU, *J. Geophys. Res.*, **107**, 1041, [10.1029/2001JA000175](https://doi.org/10.1029/2001JA000175).
- [154] Robinson, I. M., and G. M. Simnett (2002), Energetic electrons from the corona of a quiescent Sun, in *Solspa 2001, Proceedings of the Second Solar Cycle and Space Weather Euroconference, ESA Special Publication*, vol. 477, edited by H. Sawaya-Lacoste, pp. 301–304.
- [155] Robinson, I. M., and G. M. Simnett (2002), The release of near-relativistic electrons from the Sun, *J. Geophys. Res.*, **107**, 1191, [10.1029/2001JA000305](https://doi.org/10.1029/2001JA000305).
- [156] Robinson, I. M., and G. M. Simnett (2002), Correction to “The release of near-relativistic electrons from the Sun” by I. M. Robinson and G. M. Simnett, *J. Geophys. Res.*, **107**, 1436, [10.1029/2002JA009723](https://doi.org/10.1029/2002JA009723).
- [157] Rodriguez, P., E. J. Kennedy, P. Kossey, M. McCarrick, M. L. Kaiser, J.-L. Bougeret, and Y. V. Tokarev (2002), Lunar Radar Cross Section at Low Frequency, in *The Moon Beyond 2002: Next Steps in Lunar Science and Exploration*, pp. 52–+.
- [158] Ruohoniemi, J. M., S. G. Shepherd, and R. A. Greenwald (2002), The response of the high-latitude ionosphere to IMF variations, *J. Atmos. Solar-Terr. Phys.*, **64**, 159–171, [10.1016/S1364-6826\(01\)00081-5](https://doi.org/10.1016/S1364-6826(01)00081-5).
- [159] Safargaleev, V., J. Kangas, A. Kozlovsky, and A. Vasilyev (2002), Bursts of ULF noise excited by sudden changes of solar wind dynamic pressure ρv^2 , *Ann. Geophys.*, **20**, 1751–1761, [10.5194/angeo-20-1751-2002](https://doi.org/10.5194/angeo-20-1751-2002).
- [160] Šafránková, J., L. Přech, Z. Němeček, and J.-A. Sauvaud (2002), Density profile in the magnetosheath adjacent to the magnetopause, *Adv. Space Res.*, **30**, 1693–1703.
- [161] Šafránková, J., L. Přech, Z. Němeček, and D. Sibeck (2002), The structure of hot flow anomalies in the magnetosheath, *Adv. Space Res.*, **30**, 2737–2744.
- [162] Šafránková, J., J. Měrka, and Z. Němeček (2002), Plasma flow across the cusp-magnetosheath boundary under northward IMF, *Adv. Space Res.*, **30**, 2787–2792.
- [163] Šafránková, J., Z. Němeček, S. Dusík, L. Přech, D. G. Sibeck, and N. N. Borodkova (2002), The magnetopause shape and location: a comparison of the Interball and Geotail observations with models, *Ann. Geophys.*, **20**, 301–309, [10.5194/angeo-20-301-2002](https://doi.org/10.5194/angeo-20-301-2002).
- [164] Sandholt, P. E., and C. J. Farrugia (2002), Monitoring magnetosheath-magnetosphere interconnection topology from the aurora, *Ann. Geophys.*, **20**, 629–637, [10.5194/angeo-20-629-2002](https://doi.org/10.5194/angeo-20-629-2002).
- [165] Sandholt, P. E., W. F. Denig, C. J. Farrugia, B. Lybekk, and E. Trondsen (2002), Auroral structure at the cusp equatorward boundary: Relationship with the electron edge of low-latitude boundary layer precipitation, *J. Geophys. Res.*, **107**, 1235, [10.1029/2001JA005081](https://doi.org/10.1029/2001JA005081).

List of Refereed Publications
Wind Spacecraft: 2002

- [166] Sandholt, P. E., C. J. Farrugia, M. Lester, S. Cowley, S. Milan, W. F. Denig, B. Lybekk, E. Trondsen, and V. Vorobjev (2002), Multistage substorm expansion: Auroral dynamics in relation to plasma sheet particle injection, precipitation, and plasma convection, *J. Geophys. Res.*, **107**, 1342, [10.1029/2001JA900116](https://doi.org/10.1029/2001JA900116).
- [167] Sandholt, P. E., C. J. Farrugia, J. Moen, and W. F. Denig (2002), The cusp in rapid transition, *J. Geophys. Res.*, **107**, 1427, [10.1029/2001JA009214](https://doi.org/10.1029/2001JA009214).
- [168] Saul, L., E. Moebius, Y. Litvinenko, H. Kucharek, B. Klecker, H. Grunwaldt, C. Smith, and R. Lepping (2002), A Comparison of Suprathermal Pickup Ion Tails with Solar Wind Conditions at 1AU, in *34th COSPAR Scientific Assembly*, vol. 34.
- [169] Senior, C., J.-C. Cerisier, F. Rich, M. Lester, and G. K. Parks (2002), Strong sunward propagating flow bursts in the night sector during quiet solar wind conditions: SuperDARN and satellite observations, *Ann. Geophys.*, **20**, 771–779, [10.5194/angeo-20-771-2002](https://doi.org/10.5194/angeo-20-771-2002).
- [170] Shao, X., P. N. Guzdar, G. M. Milikh, K. Papadopoulos, C. C. Goodrich, A. Sharma, M. J. Wiltberger, and J. G. Lyon (2002), Comparing ground magnetic field perturbations from global MHD simulations with magnetometer data for the 10 January 1997 magnetic storm event, *J. Geophys. Res.*, **107**, 1177, [10.1029/2000JA000445](https://doi.org/10.1029/2000JA000445).
- [171] Shevryev, N. N., G. N. Zastenker, J. Safrankova, Z. Nemecek, M. Gaiosh, and J. D. Richardson (2002), Large and Fast Variations of Parameters in the Magnetosheath: 3. Amplitudes and Transverse Profiles of Low and High Frequency Variations of the Plasma and Magnetic Field, *Cosmic Res.*, **40**, 335–346.
- [172] Shimazu, H., and M. Vandas (2002), A self-similar solution of expanding cylindrical flux ropes for any polytropic index value, *Earth, Planets, and Space*, **54**, 783–790.
- [173] Shue, J.-H., and P. Song (2002), The location and shape of the magnetopause, *Planet. Space Sci.*, **50**, 549–558, [10.1016/S0032-0633\(02\)00034-X](https://doi.org/10.1016/S0032-0633(02)00034-X).
- [174] Shue, J.-H., P. T. Newell, K. Liou, C.-I. Meng, Y. Kamide, and R. P. Lepping (2002), Two-component auroras, *Geophys. Res. Lett.*, **29**, 1379, [10.1029/2002GL014657](https://doi.org/10.1029/2002GL014657).
- [175] Shue, J.-H., P. T. Newell, K. Liou, and C.-I. Meng (2002), Solar wind density and velocity control of auroral brightness under normal interplanetary magnetic field conditions, *J. Geophys. Res.*, **107**, 1428, [10.1029/2001JA009138](https://doi.org/10.1029/2001JA009138).
- [176] Sibeck, D. G., T.-D. Phan, R. Lin, R. P. Lepping, and A. Szabo (2002), Wind observations of foreshock cavities: A case study, *J. Geophys. Res.*, **107**, 1271, [10.1029/2001JA007539](https://doi.org/10.1029/2001JA007539).
- [177] Simnett, G. M., E. C. Roelof, and D. K. Haggerty (2002), The phase of energetic particle acceleration for events associated with coronal mass ejections, in *Solspa 2001, Proceedings of the Second Solar Cycle and Space Weather Euroconference, ESA Special Publication*, vol. 477, edited by H. Sawaya-Lacoste, pp. 19–26.

List of Refereed Publications
Wind Spacecraft: 2002

- [178] Smith, D. A., A. Levine, H. Bradt, K. Hurley, M. Feroci, P. Butterworth, S. Golenetskii, G. Pendleton, and S. Phengchamnan (2002), X-Ray Light Curves of Gamma-Ray Bursts Detected with the All-Sky Monitor on RXTE, *Astrophys. J. Suppl.*, **141**, 415–428, [10.1086/340328](https://doi.org/10.1086/340328).
- [179] Song, P., and C. T. Russell (2002), Flow in the magnetosheath: the legacy of John Spreiter, *Planet. Space Sci.*, **50**, 447–460, [10.1016/S0032-0633\(02\)00025-9](https://doi.org/10.1016/S0032-0633(02)00025-9).
- [180] Stenuit, H., M. Fujimoto, S. A. Fuselier, J.-A. Sauvaud, S. Wing, A. Fedorov, E. Budnik, S. P. Savin, K. J. Trattner, V. Angelopoulos, J. Bonnell, T. D. Phan, T. Mukai, and A. Pedersen (2002), Multispacecraft study on the dynamics of the dusk-flank magnetosphere under northward IMF: 10-11 January 1997, *J. Geophys. Res.*, **107**, 1333, [10.1029/2002JA009246](https://doi.org/10.1029/2002JA009246).
- [181] Tanskanen, E., H. E. J. Koskinen, T. I. Pulkkinen, J. A. Slavin, and K. Ogilvie (2002), Dissipation to the joule heating: Isolated and stormtime substorms, *Adv. Space Res.*, **30**, 2305–2311, [10.1016/S0273-1177\(02\)80254-X](https://doi.org/10.1016/S0273-1177(02)80254-X).
- [182] Tanskanen, E., T. I. Pulkkinen, H. E. J. Koskinen, and J. A. Slavin (2002), Substorm energy budget during low and high solar activity: 1997 and 1999 compared, *J. Geophys. Res.*, **107**, 1086, [10.1029/2001JA900153](https://doi.org/10.1029/2001JA900153).
- [183] Temerin, M., and X. Li (2002), A new model for the prediction of Dst on the basis of the solar wind, *J. Geophys. Res.*, **107**, 1472, [10.1029/2001JA007532](https://doi.org/10.1029/2001JA007532).
- [184] Tkachenko, A. Y., O. V. Terekhov, R. A. Sunyaev, A. V. Kuznetsov, C. Barat, J.-P. Dezalay, and G. Vedrenne (2002), A Catalog of Cosmic Gamma-Ray Bursts Detected by the PHEBUS Instrument on the Granat Observatory: October 1994-December 1996, *Astron. Lett.*, **28**, 353–365, [10.1134/1.1484135](https://doi.org/10.1134/1.1484135).
- [185] Torsti, J., L. Kocharov, J. Laivola, S. Pohjolainen, S. P. Plunkett, B. J. Thompson, M. L. Kaiser, and M. J. Reiner (2002), Solar particle events with helium-over-hydrogen enhancement in the energy range up to 100 MeV nucl^{-1} , *Solar Phys.*, **205**, 123–147.
- [186] Torsti, J., L. Kocharov, J. Laivola, N. Lehtinen, M. L. Kaiser, and M. J. Reiner (2002), Solar Particle Event with Exceptionally High ^3He Enhancement in the Energy Range up to 50 MeV Nucleon^{-1} , *Astrophys. J.*, **573**, L59–L63, [10.1086/341936](https://doi.org/10.1086/341936).
- [187] Troshichev, O. A., and R. Y. Lukianova (2002), Relation of PC index to the solar wind parameters and substorm activity in time of magnetic storms, *J. Atmos. Solar-Terr. Phys.*, **64**, 585–591, [10.1016/S1364-6826\(02\)00016-0](https://doi.org/10.1016/S1364-6826(02)00016-0).
- [188] Tylka, A. J., P. R. Boberg, C. M. S. Cohen, W. F. Dietrich, C. G. MacLennan, G. M. Mason, C. K. Ng, and D. V. Reames (2002), Flare- and Shock-accelerated Energetic Particles in the Solar Events of 2001 April 14 and 15, *Astrophys. J.*, **581**, L119–L123, [10.1086/346033](https://doi.org/10.1086/346033).

List of Refereed Publications
Wind Spacecraft: 2002

- [189] van der Holst, B., L. van Driel-Gesztelyi, and S. Poedts (2002), CME shock warps coronal streamer - observation and MHD simulation, in *Solar Variability: From Core to Outer Frontiers, ESA Special Publication*, vol. 506, edited by A. Wilson, pp. 71–74.
- [190] van Driel-Gesztelyi, L., B. Schmieder, and T. Baranyi (2002), Evolution of the source region of the interplanetary magnetic cloud of 18-20 Oct. 1995, *Adv. Space Res.*, **29**, 1489–1492, [10.1016/S0273-1177\(02\)00216-8](https://doi.org/10.1016/S0273-1177(02)00216-8).
- [191] Vilmer, N., S. Krucker, R. P. Lin, and The Rhessi Team (2002), Hard x-ray and Metric/Decimetric Radio Observations of the 20 February 2002 Solar Flare, *Solar Phys.*, **210**, 261–272, [10.1023/A:1022492414597](https://doi.org/10.1023/A:1022492414597).
- [192] Vontrat-Reberac, A., J.-C. Cerisier, N. Sato, and M. Lester (2002), Noon ionospheric signatures of a sudden commencement following a solar wind pressure pulse, *Ann. Geophys.*, **20**, 639–645, [10.5194/angeo-20-639-2002](https://doi.org/10.5194/angeo-20-639-2002).
- [193] Vršnak, B., J. Magdalenić, H. Aurass, and G. Mann (2002), Coronal and interplanetary magnetic fields inferred from band-splitting of type II bursts, in *Solar Variability: From Core to Outer Frontiers, ESA Special Publication*, vol. 506, edited by A. Wilson, pp. 409–412.
- [194] Wang, Y. M., P. Z. Ye, S. Wang, G. P. Zhou, and J. X. Wang (2002), A statistical study on the geoeffectiveness of Earth-directed coronal mass ejections from March 1997 to December 2000, *J. Geophys. Res.*, **107**, 1340, [10.1029/2002JA009244](https://doi.org/10.1029/2002JA009244).
- [195] Wang, Y. M., S. Wang, and P. Z. Ye (2002), Multiple magnetic clouds in interplanetary space, *Solar Phys.*, **211**, 333–344.
- [196] Wanliss, J. A., R. D. Sydora, G. Rostoker, and R. Rankin (2002), Origin of some anisotropic tailward flows in the plasma sheet, *Ann. Geophys.*, **20**, 1559–1575, [10.5194/angeo-20-1559-2002](https://doi.org/10.5194/angeo-20-1559-2002).
- [197] Watkins, N. W. (2002), Scaling in the space climatology of the auroral indices: is SOC the only possible description?, *Nonlin. Proc. Geophys.*, **9**, 389–397.
- [198] Weatherwax, A. T., P. H. Yoon, and J. LaBelle (2002), Interpreting observations of MF/HF radio emissions: Unstable wave modes and possibilities to passively diagnose ionospheric densities, *J. Geophys. Res.*, **107**, 1213, [10.1029/2001JA000315](https://doi.org/10.1029/2001JA000315).
- [199] Weimer, D. R., D. M. Ober, N. C. Maynard, W. J. Burke, M. R. Collier, D. J. McComas, N. F. Ness, and C. W. Smith (2002), Variable time delays in the propagation of the interplanetary magnetic field, *J. Geophys. Res.*, **107**, 1210, [10.1029/2001JA009102](https://doi.org/10.1029/2001JA009102).
- [200] Whang, Y. C. (2002), Hall magnetohydrodynamics model of double discontinuities, *Phys. Plasmas*, **9**, 4905–4910, [10.1063/1.1521420](https://doi.org/10.1063/1.1521420).
- [201] Willson, R. F. (2002), Very-Large-Array Observations of Evolving Type I Noise Storms and Nonthermal Bursts In Association With Flares And Coronal Mass Ejections, *Solar Phys.*, **211**, 289–313.

List of Refereed Publications
Wind Spacecraft: 2002

- [202] Wimmer-Schweingruber, R. F. (2002), The composition of the solar wind, *Adv. Space Res.*, **30**, 23–32, [10.1016/S0273-1177\(02\)00262-4](https://doi.org/10.1016/S0273-1177(02)00262-4).
- [203] Woodfield, E. E., J. A. Davies, P. Eglitis, and M. Lester (2002), A case study of HF radar spectral width in the post midnight magnetic local time sector and its relationship to the polar cap boundary, *Ann. Geophys.*, **20**, 501–509, [10.5194/angeo-20-501-2002](https://doi.org/10.5194/angeo-20-501-2002).
- [204] Woodfield, E. E., J. A. Davies, M. Lester, T. K. Yeoman, P. Eglitis, and M. Lockwood (2002), Nightside studies of coherent HF Radar spectral width behaviour, *Ann. Geophys.*, **20**, 1399–1413, [10.5194/angeo-20-1399-2002](https://doi.org/10.5194/angeo-20-1399-2002).
- [205] Wu, C.-C., and R. P. Lepping (2002), Effects of magnetic clouds on the occurrence of geomagnetic storms: The first 4 years of Wind, *J. Geophys. Res.*, **107**, 1314, [10.1029/2001JA000161](https://doi.org/10.1029/2001JA000161).
- [206] Wu, C.-C., and R. P. Lepping (2002), Effect of solar wind velocity on magnetic cloud-associated magnetic storm intensity, *J. Geophys. Res.*, **107**, 1346, [10.1029/2002JA009396](https://doi.org/10.1029/2002JA009396).
- [207] Wu, Y. Q., Y. H. Tang, Y. Dai, and G. P. Wu (2002), The Solar Origin of the 6 January 1997 Coronal Mass Ejection, *Solar Phys.*, **207**, 159–171.
- [208] Wüest, M. P., W. Lennartsson, and P. D. Craven (2002), Response of the dawn-side, high-altitude, high-latitude magnetosphere to the arrival of an interplanetary shockwave, *Adv. Space Res.*, **30**, 2189–2194, [10.1016/S0273-1177\(02\)80218-6](https://doi.org/10.1016/S0273-1177(02)80218-6).
- [209] Yermolaev, Y. I., A. A. Petrukovich, and L. M. Zelenyi (2002), INTERBALL statistical study of ion flow fluctuations in the plasma sheet, *Adv. Space Res.*, **30**, 2695–2700, [10.1016/S0273-1177\(02\)80386-6](https://doi.org/10.1016/S0273-1177(02)80386-6).
- [210] Zastenker, G. N., M. N. Nozdrachev, Z. Němeček, J. Šafránková, K. I. Paularena, J. D. Richardson, R. P. Lepping, and T. Mukai (2002), Multispacecraft measurements of plasma and magnetic field variations in the magnetosheath: Comparison with Spreiter models and motion of the structures, *Planet. Space Sci.*, **50**, 601–612, [10.1016/S0032-0633\(02\)00039-9](https://doi.org/10.1016/S0032-0633(02)00039-9).
- [211] Zhang, Y., D. J. McEwen, and L. Cogger (2002), The changing polar cap-Interball-2 and ground observations, *J. Atmos. Solar-Terr. Phys.*, **64**, 21–30, [10.1016/S1364-6826\(01\)00098-0](https://doi.org/10.1016/S1364-6826(01)00098-0).