References

[1] Alexeev, I. I., and S. Y. Bobrovnikov (2000), The IMF Control of the Large-Scale Substorm Dynamics, in *Fifth International Conference on Substorms*, *ESA Special Publication*, vol. 443, edited by A. Wilson, pp. 25–+.

[2] Andersen, M. I., J. Hjorth, H. Pedersen, B. L. Jensen, L. K. Hunt, J. Gorosabel, P. Møller, J. Fynbo, R. M. Kippen, B. Thomsen, L. F. Olsen, L. Christensen, M. Vestergaard, N. Masetti, E. Palazzi, K. Hurley, T. Cline, L. Kaper, and A. O. Jaunsen (2000), VLT identification of the optical afterglow of the gamma-ray burst GRB 000131 at z=4.50, *Astron. & Astrophys.*, **364**, L54–L61.

[3] Antonova, E. E., I. L. Ovchinnikov, and Y. I. Yermolaev (2000), The Coefficient of the Diffusion in the Plasma Sheet during Substorm: INTERBALL/Tail Observations, in *Fifth International Conference on Substorms*, *ESA Special Publication*, vol. 443, edited by A. Wilson, pp. 141–+.

[4] Anttila, A., and T. Sahla (2000), ERNE observations of energetic particles associated with Earth-directed coronal mass ejections in April and May, 1997, *Ann. Geophys.*, **18**, 1373–1381, 10.1007/s00585-000-1373-3.

[5] Arge, C. N., and V. J. Pizzo (2000), Improvement in the prediction of solar wind conditions using near-real time solar magnetic field updates, *J. Geophys. Res.*, **105**, 10,465–10,480, 10.1029/1999JA900262.

[6] Arykov, A. A., Y. P. Maltsev, and I. V. Golovchanskaya (2000), Statistical Study of the Solar Wind Parameters during Substorms, in *Fifth International Conference on Substorms*, *ESA Special Publication*, vol. 443, edited by A. Wilson, pp. 29–+.

[7] Aubier, A., M. Y. Boudjada, P. Moreau, P. H. M. Galopeau, A. Lecacheux, and H. O. Rucker (2000), Statistical studies of jovian decameter emissions observed during the same period by Nancay Decameter Array (France) and WAVES experiment aboard Wind spacecraft, *Astron. & Astrophys.*, **354**, 1101–1109.

[8] Baker, D. N. (2000), Effects of the Sun on the Earth's environment, *J. Atmos. Solar-Terr. Phys.*, **62**, 1669–1681, 10.1016/S1364-6826(00)00119-X.

[9] Bale, S. D., D. E. Larson, R. P. Lin, P. J. Kellogg, K. Goetz, and S. J. Monson (2000), On the beam speed and wavenumber of intense electron plasma waves near the foreshock edge, *J. Geophys. Res.*, **105**, 27,353–27,368, 10.1029/2000JA900042.

[10] Becker, K. M., D. A. Frail, and E. Berger (2000), A Search for Afterglow Emission from the Short Duration Burst GRB 000607, in *American Astronomical Society Meeting Abstracts*, *Bull. Amer. Astron. Soc.*, vol. 32, pp. 1519–+.

[11] Berchem, J. (2000), Global MHD Simulations for Cluster-II, in *Cluster-II Workshop Multiscale / Multipoint Plasma Measurements*, *ESA Special Publication*, vol. 449, edited by R. A. Harris, pp. 211–+.

[12] Berdichevsky, D., I. G. Richardson, B. J. Thompson, D. V. Reames, R. MacDowall, S. P. Plunkett, D. J. Michels, M. L. Kaiser, R. P. Lepping, K. W. Ogilvie, and R. G. Stone (2000), Examples of fast solar wind transients, their sources and the forecast of possible geomagnetic impact, *Geofis. Int.*, **39**, 5–11.

[13] Blanco-Avalos, J. J. (2000), Método de detección de la lámina de corriente interplanetaria, Master's thesis, Alcalá University, Madrid, Spain, advisor: Javier Rodríguez-Pacheco.

[14] Borisov, N., and U. Mall (2000), Plasma distribution and electric fields behind the Moon, *Phys. Lett. A*, **265**, 369–376, 10.1016/S0375-9601(99)00852-X.

[15] Breen, A. R., B. J. Thompson, M. Kojima, D. A. Biesecker, A. Canals, R. A. Fallows, J. A. Linker, A. J. Lazarus, A. Lecinski, Z. Mikic, P. J. Moran, and P. J. S. Williams (2000), Measurements of the solar wind over a wide range of heliocentric distances - a comparison of results from the first three Whole Sun Months, *J. Atmos. Solar-Terr. Phys.*, **62**, 1527–1543, 10.1016/S1364-6826(00)00090-0.

[16] Brogan, C. L., D. A. Frail, W. M. Goss, and T. H. Troland (2000), OH Zeeman Magnetic Field Detections toward Five Supernova Remnants Using the VLA, *Astrophys. J.*, **537**, 875–890, 10.1086/309068.

[17] Bromage, B. J. J., D. Alexander, A. Breen, J. R. Clegg, G. Del Zanna, C. DeForest, D. Dobrzycka, N. Gopalswamy, B. Thompson, and P. K. Browning (2000), Structure of a Large low-Latitude Coronal Hole, *Solar Phys.*, **193**, 181–193.

[18] Cairns, I. H. (2000), Role of collective effects in dominance of scattering off thermal ions over Langmuir wave decay: Analysis, simulations, and space applications, *Phys. Plasmas*, **7**, 4901–4915, 10.1063/1.1319638.

[19] Chang, S.-W., J. D. Scudder, J. F. Fennell, R. Friedl, R. P. Lepping, C. T. Russell, K. J. Trattner, S. A. Fuselier, W. K. Peterson, and H. E. Spence (2000), Energetic magnetosheath ions connected to the Earth's bow shock: Possible source of cusp energetic ions, *J. Geophys. Res.*, **105**, 5471–5488, 10.1029/1999JA900468.

[20] Chen, L., D. Larson, R. P. Lin, M. McCarthy, and G. Parks (2000), Multicomponent Plasma Distributions in the Tail Current Sheet Associated with Substorms, *Geophys. Res. Lett.*, **27**, 843–+, 10.1029/1999GL010736.

[21] Chernenko, A., V. Kostenko, V. Loznikov, N. Semena, S. Konev, B. Rybkin, A. Paschin, and I. Prokopenko (2000), Optimal cooling of HPGe spectrometers for space-born experiments, *Nucl. Inst. & Meth. in Phys. Res. A*, **442**, 404–407, 10.1016/S0168-9002(99)01262-0.

[22] Chisham, G., M. Pinnock, A. S. Rodger, and J.-P. Villain (2000), High-time resolution conjugate SuperDARN radar observations of the dayside convection response to changes in IMF B y, *Ann. Geophys.*, **18**, 191–201, 10.1007/s00585-000-0191-y.

[23] Chotoo, K., N. A. Schwadron, G. M. Mason, T. H. Zurbuchen, G. Gloeckler, A. Posner, L. A. Fisk, A. B. Galvin, D. C. Hamilton, and M. R. Collier (2000), The suprathermal seed population for corotating interaction region ions at 1 AU deduced from composition and spectra of H^+, He^{++}, and He^+ observed on Wind, *J. Geophys. Res.*, **105**, 23,107–23,122, 10.1029/1998JA000015.

[24] Cid, C. (2000), Estudio de las eyecciones de masa coronal de la corona solar en el medio interplanetario, Ph.D. thesis, Alcalá University, Madrid, Spain, advisor: Miguel A. Hidalgo.

[25] Clemmons, J. H., R. F. Pfaff, O. W. Lennartsson, F. S. Mozer, H. J. Singer, W. K. Peterson, J. D. Scudder, C. A. Kletzing, P. J. Chi, D. D. Wallis, and D. E. Larson (2000), Observations of traveling Pc5 waves and their relation to the magnetic cloud event of January 1997, *J. Geophys. Res.*, **105**, 5441–5452, 10.1029/1999JA900418.

[26] Cline, T., D. D. Frederiks, S. Golenetskii, K. Hurley, C. Kouveliotou, E. Mazets, and J. van Paradijs (2000), Observations of a Possible New Soft Gamma Repeater, SGR 1801-23, *Astrophys. J.*, **531**, 407–410, 10.1086/308470.

[27] Cline, T. L., S. Barthelmy, P. Butterworth, T. McClanahan, D. Palmer, J. Trombka, K. Hurley, R. Gold, R. M. Kippen, C. Kouveliotou, D. Frederiks, S. Golenetskii, and E. Mazets (2000), Progress incorporating the NEAR mission into the interplanetary GRB network, in *Gamma-ray Bursts, 5th Huntsville Symposium*, *American Institute of Physics Conference Series*, vol. 526, edited by R. M. Kippen, R. S. Mallozzi, & G. J. Fishman, pp. 726–730, 10.1063/1.1361630.

[28] Cocheci, C. C. (2000), A statistical study of the dependence of the integrated wave power of geomagnetic pulsations between 0.1 Hz and 1.0 Hz upon the solar wind dynamic pressure, Ph.D. thesis, UNIVERSITY OF NEW HAMPSHIRE.

[29] Collier, M. R., A. Szabo, J. A. Slavin, R. P. Lepping, and S. Kokubun (2000), IMF length scales and predictability: The two length scale medium, *Int. J. Geomagnetism and Aeronomy*, pp. 3–16.

[30] Crooker, N. U. (2000), Solar and heliospheric geoeffective disturbances, *J. Atmos. Solar-Terr. Phys.*, **62**, 1071–1085, 10.1016/S1364-6826(00)00098-5.

[31] Crooker, N. U., S. Shodhan, J. T. Gosling, J. Simmerer, R. P. Lepping, J. T. Steinberg, and S. W. Kahler (2000), Density extremes in the solar wind, *Geophys. Res. Lett.*, **27**, 3769–3772, 10.1029/2000GL003788.

[32] Dasso, S. (2000), Emission de ondas por resonancia ionica ciclotronica en plasmoides interplanetarios expulsados por el sol, Ph.D. thesis, Instituto de Fisica del Plasma, CONICET, University of Buenos Aires, advisor: F.T. Gratton and C.J. Farrugia.

[33] Delcourt, D. C., T. E. Moore, B. L. Giles, and M.-C. Fok (2000), Quantitative modeling of modulated ion injections observed by Polar-Thermal Ion Dynamics Experiment in the cusp region, *J. Geophys. Res.*, **105**, 25,191–25,204, 10.1029/2000JA000034.

[34] Desai, M. I., G. M. Mason, J. R. Dwyer, J. E. Mazur, T. T. von Rosenvinge, and R. P. Lepping (2000), Characteristics of energetic ($\gtrsim$30 keV/nucleon) ions observed by the Wind/STEP instrument upstream of the Earth's bow shock, *J. Geophys. Res.*, **105**, 61–78, 10.1029/1999JA900406.

[35] Desorgher, L., E. Flückiger, P. Bühler, and A. Zehnder (2000), Modelling of the Outer Electron Belt Flux Dropout and Losses During Magnetic Storm Main Phase, *Adv. Space Res.*, **26**, 167–171, 10.1016/S0273-1177(99)01044-3.

[36] Dwyer, J. R., G. M. Mason, M. I. Desai, J. E. Mazur, and T. T. von Rosenvinge (2000), The spatial size of ion events measured far upstream of the earth's bow shock by ACE/ULEIS and WIND/STEP, *Geophys. Res. Lett.*, **27**, 65–68, 10.1029/1999GL003670.

[37] Ergun, R. E., D. E. Larson, T. Phan, D. Taylor, S. Bale, C. W. Carlson, I. Roth, V. Angelopoulos, J. Raeder, T. Bell, U. S. Inan, J.-L. Bougeret, and R. Manning (2000), Feasibility of a multisatellite investigation of the Earth's magnetosphere with radio tomography, *J. Geophys. Res.*, **105**, 361–374, 10.1029/1999JA900170.

[38] Eriksson, S., R. E. Ergun, C. W. Carlson, and W. Peria (2000), The cross-polar potential drop and its correlation to the solar wind, *J. Geophys. Res.*, **105**, 18,639–18,654, 10.1029/2000JA900033.

[39] Farrugia, C. J., N. V. Erkaev, and H. K. Biernat (2000), On the effects of solar wind dynamic pressure on the anisotropic terrestrial magnetosheath, *J. Geophys. Res.*, **105**, 115–128, 10.1029/1999JA900350.

[40] Farrugia, C. J., F. T. Gratton, J. Contin, C. C. Cocheci, R. L. Arnoldy, K. W. Ogilvie, R. P. Lepping, G. N. Zastenker, M. N. Nozdrachev, A. Fedorov, J.-A. Sauvaud, J. T. Steinberg, and G. Rostoker (2000), Coordinated Wind, Interball/tail, and ground observations of Kelvin-Helmholtz waves at the near-tail, equatorial magnetopause at dusk: January 11, 1997, *J. Geophys. Res.*, **105**, 7639–7668, 10.1029/1999JA000267.

[41] Farrugia, C. J., P. E. Sandholt, N. C. Maynard, W. J. Burke, J. D. Scudder, D. M. Ober, J. Moen, and C. T. Russell (2000), Pulsating midmorning auroral arcs, filamentation of a mixing region in a flank boundary layer, and ULF waves observed during a Polar-Svalbard conjunction, *J. Geophys. Res.*, **105**, 27,531–27,554, 10.1029/2000JA000010.

[42] Farrugia, C. J., H. J. Singer, D. Evans, D. Berdichevsky, J. D. Scudder, K. W. Ogilvie, R. J. Fitzenreiter, and C. T. Russell (2000), Response of the equatorial and polar magnetosphere to the very tenuous solar wind on May 11, 1999, *Geophys. Res. Lett.*, **27**, 3773–3776, 10.1029/2000GL003800.

[43] Fedorov, A., and E. Budnik (2000), On the Origin of High-Latitude Boundary Layer of the Earth's Magnetosphere, *Cosmic Res.*, **38**, 540–546.

[44] Fillingim, M. O., G. K. Parks, L. J. Chen, M. Brittnacher, G. A. Germany, J. F. Spann, D. Larson, and R. P. Lin (2000), Coincident POLAR/UVI and WIND Observations of Pseudobreakups, *Geophys. Res. Lett.*, **27**, 1379–+, 10.1029/1999GL010773.

[45] Freeman, M. P., N. W. Watkins, and D. J. Riley (2000), Power law distributions of burst duration and interburst interval in the solar wind: Turbulence or dissipative self-organized criticality?, *Phys. Rev. E*, **62**, 8794–8797, 10.1103/PhysRevE.62.8794.

[46] Freeman, T. J., and G. K. Parks (2000), Fermi acceleration of suprathermal solar wind oxygen ions, *J. Geophys. Res.*, **105**, 15,715–15,728, 10.1029/1999JA900501.

[47] Freeman, T. J., D. E. Larson, R. P. Lin, K. Meziane, and G. K. Parks (2000), Characteristics of MeV upstream ion bursts observed by Wind, in *Acceleration and Transport of Energetic Particles Observed in the Heliosphere*, *American Institute of Physics Conference Series*, vol. 528, edited by R. A. Mewaldt, J. R. Jokipii, M. A. Lee, E. Möbius, & T. H. Zurbuchen , pp. 286–289, 10.1063/1.1324327.

[48] Galperin, Y. I. (2000), The Second Pair in the INTERBALL Quartet: Some Main Results, *Adv. Space Res.*, **25**, 1287–1303, 10.1016/S0273-1177(99)00638-9.

[49] Gao, Y. F., P. J. Chi, G. Le, C. T. Russell, D. M. Yang, X. Zhou, S. F. Yang, V. Angelopoulos, and F. K. Chun (2000), Sino-Magnetic Array at Low Latitudes (SMALL) Including Initial Results from the Sister Sites in the United States, *Adv. Space Res.*, **25**, 1343–1351, 10.1016/S0273-1177(99)00643-2.

[50] Gloeckler, G., L. A. Fisk, T. H. Zurbuchen, and N. A. Schwadron (2000), Sources, injection and acceleration of heliospheric ion populations, in *Acceleration and Transport of Energetic Particles Observed in the Heliosphere*, *American Institute of Physics Conference Series*, vol. 528, edited by R. A. Mewaldt, J. R. Jokipii, M. A. Lee, E. Möbius, & T. H. Zurbuchen , pp. 221–228, 10.1063/1.1324316.

[51] Gómez-Herrero, R., M. D. Rodriguez Frias, L. del Peral, J. Sequeiros, R. Mueller-Mellin, and H. Kunow (2000), Comparison between Gradual and Impulsive Solar Energetic Particle Events Detected by EPHIN/SOHO Experiment, in *The Solar Cycle and Terrestrial Climate, Solar and Space weather*, *ESA Special Publication*, vol. 463, edited by A. Wilson, pp. 325–+.

[52] Gopalswamy, N., A. Lara, and M. L. Kaiser (2000), An Empirical Model to Predict the Arrival of CMEs at 1 AU, in *AAS/Solar Physics Division Meeting #31*, *Bull. Amer. Astron. Soc.*, vol. 32, pp. 825–+.

[53] Gopalswamy, N., M. L. Kaiser, B. J. Thompson, L. F. Burlaga, A. Szabo, A. Vourlidas, A. Lara, S. Yashiro, and J.-L. Bougeret (2000), Radio-rich Solar Eruptive Events, *Geophys. Res. Lett.*, **27**, 1427–+, 10.1029/1999GL003665.

[54] Gopalswamy, N., A. Lara, R. P. Lepping, M. L. Kaiser, D. Berdichevsky, and O. C. St. Cyr (2000), Interplanetary acceleration of coronal mass ejections, *Geophys. Res. Lett.*, **27**, 145–148, 10.1029/1999GL003639.

[55] Grafe, A., and Y. I. Feldstein (2000), About the relationship between auroral electrojets and ring currents, *Ann. Geophys.*, **18**, 874–886, 10.1007/s00585-000-0874-4.

[56] Grocott, A., S. W. H. Cowley, and J. A. Davies (2000), Comparison of Ionospheric Electric Currents and Plasma Convection Patterns Observed during Substorms, in *Fifth International Conference on Substorms*, *ESA Special Publication*, vol. 443, edited by A. Wilson, pp. 295–+.

[57] Guo, W. (2000), F-region winds over the central polar cap, Ph.D. thesis, THE UNIVERSITY OF SASKATCHEWAN (CANADA.

[58] Guzdar, P. N., N. A. Gondarenko, K. Papadopoulos, G. M. Milikh, A. S. Sharma, P. Rodriguez, Y. V. Tokarev, Y. I. Belov, and S. L. Ossakow (2000), Diffraction model of ionospheric irregularity-induced heater-wave pattern detected on the WIND satellite, *Geophys. Res. Lett.*, **27**, 317–320, 10.1029/1999GL003675.

[59] Haggerty, D. K., E. C. Roelof, C. W. Smith, N. F. Ness, R. L. Tokar, and R. M. Skoug (2000), Interplanetary magnetic field connection to the L1 Lagrangian orbit during upstream energetic ion events, *J. Geophys. Res.*, **105**, 25,123–25,132, 10.1029/1999JA000346.

[60] Harnett, E. M., and R. Winglee (2000), Two-dimensional MHD simulation of the solar wind interaction with magnetic field anomalies on the surface of the Moon, *J. Geophys. Res.*, **105**, 24,997–25,008, 10.1029/2000JA000074.

[61] Harris, M. J., B. J. Teegarden, T. L. Cline, N. Gehrels, D. M. Palmer, R. Ramaty, and H. Seifert (2000), TGRS measurements of the positron annihilation spectrum from the galactic center, in *American Institute of Physics Conference Series*, *American Institute of Physics Conference Series*, vol. 510, edited by M. L. McConnell & J. M. Ryan, pp. 31–34, 10.1063/1.1303168.

[62] Harris, M. J., D. M. Palmer, J. E. Naya, B. J. Teegarden, T. L. Cline, N. Gehrels, R. Ramaty, and H. Seifert (2000), TGRS observations of positron annihilation in classical novae, in *American Institute of Physics Conference Series*, *American Institute of Physics Conference Series*, vol. 510, edited by M. L. McConnell & J. M. Ryan, pp. 87–91, 10.1063/1.1303180.

[63] Harris, M. J., B. J. Teegarden, T. L. Cline, N. Gehrels, D. M. Palmer, R. Ramaty, and H. Seifert (2000), Transient Gamma-Ray Spectrometer Observations of Gamma-Ray Lines from Novae. II. Constraining the Galactic Nova Rate from a Survey of the Southern Sky during 1995-1997, *Astrophys. J.*, **542**, 1057–1063, 10.1086/317022.

[64] Hefti, S., H. Grünwaldt, P. Bochsler, and M. R. Aellig (2000), Oxygen freeze-in temperatures measured with SOHO/CELIAS/CTOF, *J. Geophys. Res.*, **105**, 10,527–10,533, 10.1029/1999JA900384.

[65] Hidalgo, M. A., C. Cid, J. Medina, and A. F. Viñas (2000), A new model for the topology of magnetic clouds in the solar wind, *Solar Phys.*, **194**, 165–174.

[66] Hilmer, R. V., and G. P. Ginet (2000), A magnetospheric specification model validation study: Geosynchronous electrons, *J. Atmos. Solar-Terr. Phys.*, **62**, 1275–1294, 10.1016/S1364-6826(00)00100-0.

[67] Ho, G. C., D. C. Hamilton, G. Gloeckler, and P. Bochsler (2000), Enhanced solar wind $^3He^{2+}$ associated with coronal mass ejections, *Geophys. Res. Lett.*, **27**, 309–312, 10.1029/1999GL003660.

[68] Huang, C.-S., G. J. Sofko, A. V. Koustov, D. A. Andre, J. M. Ruohoniemi, R. A. Greenwald, and M. R. Hairston (2000), Evolution of ionospheric multicell convection during northward interplanetary magnetic field with $|B_z/B_y| > 1$, *J. Geophys. Res.*, **105**, 27,095–27,108, 10.1029/2000JA000163.

[69] Hurley, K. (2000), The 4.5+/-0.5 soft gamma repeaters in review, in *American Institute of Physics Conference Series*, *American Institute of Physics Conference Series*, vol. 510, edited by M. L. McConnell & J. M. Ryan, pp. 515–522, 10.1063/1.1303259.

[70] Hurley, K., T. Cline, E. Mazets, R. Aptekar, S. Golenetskii, D. Frederiks, D. Frail, S. Kulkarni, J. Trombka, T. McClanahan, R. Starr, and J. Goldsten (2000), Interplanetary Network Localization of GRB 991208 and the Discovery of its Afterglow, *Astrophys. J.*, **534**, L23–L25, 10.1086/312645.

[71] Hurley, K., T. Cline, J. Trombka, S. Barthelmy, E. Mazets, S. Golenetskii, R. M. Kippen, C. Kouveliotou, M. Feroci, F. Frontera, and C. Guidorzi (2000), Rapid, Precise Gamma-Ray Burst Localizations with the 3rd Interplanetary Network, in *American Astronomical Society Meeting Abstracts #196*, *Bull. Amer. Astron. Soc.*, vol. 32, pp. 766–+.

[72] Jayachandran, P. T., and J. W. MacDougall (2000), Central polar cap convection response to short duration southward Interplanetary Magnetic Field, *Ann. Geophys.*, **18**, 887–896, 10.1007/s00585-000-0887-z.

[73] Kaiser, M. L., P. Zarka, W. S. Kurth, G. B. Hospodarsky, and D. A. Gurnett (2000), Cassini and Wind stereoscopic observations of Jovian nonthermal radio emissions: Measurement of beam widths, *J. Geophys. Res.*, **105**, 16,053–16,062, 10.1029/1999JA000414.

[74] Kallio, E. I., T. I. Pulkkinen, H. E. J. Koskinen, A. Viljanen, J. A. Slavin, and K. Ogilvie (2000), Loading-Unloading Processes in the Nightside Ionosphere, *Geophys. Res. Lett.*, **27**, 1627–+, 10.1029/1999GL003694.

[75] Kanekal, S. G., D. N. Baker, J. B. Blake, B. Klecker, G. M. Mason, and R. A. Mewaldt (2000), Magnetospheric Relativistic Electron Response to Magnetic Cloud Events of 1997, *Adv. Space Res.*, **25**, 1387–1392, 10.1016/S0273-1177(99)00648-1.

[76] Kassim, N. E., T. J. W. Lazio, K. W. Weiler, W. C. Erickson, and D. L. Jones (2000), Opening a New Window on the Universe: High Resolution, Long Wavelength Radio Astronomy from the Ground (lofar) and from Space (alfa), in *Perspectives on Radio Astronomy: Science with Large Antenna Arrays*, edited by M. P. van Haarlem, pp. 11–+.

[77] Kauristie, K., V. A. Sergeev, M. Kubyshkina, T. I. Pulkkinen, V. Angelopoulos, T. Phan, R. P. Lin, and J. A. Slavin (2000), Ionospheric current signatures of transient plasma sheet flows, *J. Geophys. Res.*, **105**, 10,677–10,690, 10.1029/1999JA900487.

[78] Kawano, H., S. Savin, A. T. Y. Lui, M. Fujimoto, S. Kokubun, T. Mukai, T. Yamamoto, Y. Saito, S. Romanov, M. Nozdrachev, and Y. Yermolaev (2000), Solar Wind Discontinuity - Magnetosphere Interactions Observed by Interball-1 and Geotail: IACG Campaign #2, *Adv. Space Res.*, **25**, 1405–1409, 10.1016/S0273-1177(99)00652-3.

[79] Kawano, H., R. Nakamura, S. Kokubun, T. Mukai, T. Yamamoto, K. Yumoto, and J. A. Slavin (2000), Substorm-Associated Shrinkage of the Mid-Tail Magnetosphere: IACG Campaign #2, *Adv. Space Res.*, **25**, 1689–1696, 10.1016/S0273-1177(99)00685-7.

[80] Kessel, R. L. (2000), ISTP Multi-Point Observations of Earth's Bow Shock, in *Cluster-II Workshop Multiscale / Multipoint Plasma Measurements*, *ESA Special Publication*, vol. 449, edited by R. A. Harris, pp. 393–+.

[81] Kirsch, E., U. Mall, K. Cierpka, B. Wilken, G. Gloeckler, and A. B. Galvin (2000), Composition of Low Energy Solar Particles (0.5 - 225 keV/e) Measured by the Wind-S/C During Impulsive and Gradual Flares., *Adv. Space Res.*, **26**, 833–837, 10.1016/S0273-1177(00)00015-6.

[82] Klose, S., B. Stecklum, N. Masetti, E. Pian, E. Palazzi, A. A. Henden, D. H. Hartmann, O. Fischer, J. Gorosabel, C. Sánchez-Fernández, D. Butler, T. Ott, S. Hippler, M. Kasper, R. Weiss, A. Castro-Tirado, J. Greiner, C. Bartolini, A. Guarnieri, A. Piccioni, S. Benetti, F. Ghinassi, A. Magazzú, K. Hurley, T. Cline, J. Trombka, T. McClanahan, R. Starr, J. Goldsten, R. Gold, E. Mazets, S. Golenetskii, K. Noeske, P. Papaderos, P. M. Vreeswijk, N. Tanvir, A. Oscoz, J. A. Muñoz, and J. M. Castro Cerón (2000), The Very Red Afterglow of GRB 000418: Further Evidence for Dust Extinction in a Gamma-Ray Burst Host Galaxy, *Astrophys. J.*, **545**, 271–276, 10.1086/317816.

[83] Krucker, S., and R. P. Lin (2000), Two Classes of Solar Proton Events derived from Onset Time Analysis, in *AAS/Solar Physics Division Meeting #31*, *Bull. Amer. Astron. Soc.*, vol. 32, pp. 826–+.

[84] Krucker, S., and R. P. Lin (2000), On the solar release of Energetic Particles detected at 1 AU, in *Acceleration and Transport of Energetic Particles Observed in the Heliosphere*, *American Institute of Physics Conference Series*, vol. 528, edited by R. A. Mewaldt, J. R. Jokipii, M. A. Lee, E. Möbius, & T. H. Zurbuchen , pp. 87–90, 10.1063/1.1324285.

[85] Krucker, S., and R. P. Lin (2000), WIND Observations of Energetic Solar Proton Events Down to keV Energies: Onset Time Analysis, in *High Energy Solar Physics Workshop - Anticipating Hess!*, *Astronomical Society of the Pacific Conference Series*, vol. 206, edited by R. Ramaty & N. Mandzhavidze, pp. 187–+.

[86] Kudela, K., M. Storini, M. Y. Hofer, and A. Belov (2000), Cosmic Rays in Relation to Space Weather, *Space Sci. Rev.*, **93**, 153–174, 10.1023/A:1026540327564.

[87] Kurczynski, P. (2000), The Detection of Gamma-Ray Bursts Via Spectroscopy and Imaging, Ph.D. thesis, NASA Goddard Space Flight Center.

[88] Kurczynski, P., D. Palmer, H. Seifert, B. J. Teegarden, N. Gehrels, T. L. Cline, R. Ramaty, K. Hurley, N. W. Madden, and R. H. Pehl (2000), High-Resolution Spectroscopy of Gamma-Ray Bursts with the Transient Gamma-Ray Spectrometer, *Astrophys. J.*, **543**, 77–89, 10.1086/317069.

[89] Lacombe, C., C. Salem, A. Mangeney, J.-L. Steinberg, M. Maksimovic, and J. M. Bosqued (2000), Latitudinal distribution of the solar wind properties in the low- and high-pressure regimes: Wind observations, *Ann. Geophys.*, **18**, 852–865, 10.1007/s00585-000-0852-x.

[90] Laitinen, T., K.-L. Klein, L. Kocharov, J. Torsti, G. Trottet, V. Bothmer, M. L. Kaiser, G. Rank, and M. J. Reiner (2000), Solar energetic particle event and radio bursts associated with the 1996 July 9 flare and coronal mass ejection, *Astron. & Astrophys.*, **360**, 729–741.

[91] Lanzerotti, L. J., D. S. Sayres, L. V. Medford, C. G. Maclennan, R. P. Lepping, and A. Szabo (2000), Response of Large-Scale Geoelectric Fields to Identified Interplanetary Disturbances and the Equatorial Ring Current, *Adv. Space Res.*, **26**, 21–26, 10.1016/S0273-1177(99)01021-2.

[92] Lario, D., R. G. Marsden, T. R. Sanderson, M. Maksimovic, B. Sanahuja, A. Balogh, R. J. Forsyth, R. P. Lin, and J. T. Gosling (2000), Energetic proton observations at 1 and 5 AU: 1. January-September 1997, *J. Geophys. Res.*, **105**, 18,235–18,250, 10.1029/1999JA000373.

[93] Lario, D., R. G. Marsden, T. R. Sanderson, M. Maksimovic, B. Sanahuja, S. P. Plunkett, A. Balogh, R. J. Forsyth, R. P. Lin, and J. T. Gosling (2000), Energetic proton observations at 1 and 5 AU: 2. Rising phase of the solar cycle 23, *J. Geophys. Res.*, **105**, 18,251–18,274, 10.1029/1999JA000374.

[94] Larson, D. E., R. P. Lin, and J. Steinberg (2000), Extremely cold electrons in the January 1997 magnetic cloud, *Geophys. Res. Lett.*, **27**, 157–160, 10.1029/1999GL003632.

[95] Lazarus, A. J., A. Szabo, J. A. Linker, and Z. Mikic (2000), Solar Wind and Magnetic field Observations During Whole Sun Months 2 and 3, in *AAS/Solar Physics Division Meeting #31*, *Bull. Amer. Astron. Soc.*, vol. 32, pp. 818–+.

[96] Le, G., C. T. Russell, and S. M. Petrinec (2000), The magnetosphere on May 11, 1999, the day the solar wind almost disappeared: I. Current systems, *Geophys. Res. Lett.*, **27**, 1827–1830, 10.1029/1999GL010774.

[97] Leamon, R. J. (2000), Dissipation of magnetic fluctuations in the solar wind, Ph.D. thesis, UNIVERSITY OF DELAWARE.

[98] Leblanc, Y., G. A. Dulk, I. H. Cairns, and J.-L. Bougeret (2000), Type II fixed on boards flare continuum in the corona and solar wind, *J. Geophys. Res.*, **105**, 18,215–18,224, 10.1029/1999JA000429.

[99] Leblanc, Y., G. A. Dulk, A. Vourlidas, and J.-L. Bougeret (2000), Flare- and coronal mass ejection (CME)-associated type II bursts and related radio emissions, *J. Geophys. Res.*, **105**, 18,225–18,234, 10.1029/2000JA900024.

[100] Leske, R. A., R. A. Mewaldt, E. R. Christian, C. M. S. Cohen, A. C. Cummings, P. L. Slocum, E. C. Stone, T. T. von Rosenvinge, and M. E. Wiedenbeck (2000), Observations of anomalous cosmic rays at 1 AU, in *Acceleration and Transport of Energetic Particles Observed in the Heliosphere*, *American Institute of Physics Conference Series*, vol. 528, edited by R. A. Mewaldt, J. R. Jokipii, M. A. Lee, E. Möbius, & T. H. Zurbuchen , pp. 293–300, 10.1063/1.1324328.

[101] Lin, N., C. A. Cattell, M. J. Engebretson, R. P. Lepping, R. P. Lin, and S. Kokubun (2000), Substorm Associated Magnetotail Field and Plasma Fluctuations: A Case Study, in *Fifth International Conference on Substorms*, *ESA Special Publication*, vol. 443, edited by A. Wilson, pp. 623–+.

[102] Lin, R. P. (2000), Energetic electrons accelerated in solar particle events, in *Acceleration and Transport of Energetic Particles Observed in the Heliosphere*, *American Institute of Physics Conference Series*, vol. 528, edited by R. A. Mewaldt, J. R. Jokipii, M. A. Lee, E. Möbius, & T. H. Zurbuchen , pp. 32–38, 10.1063/1.1324278.

[103] Liu, H., K. Schlegel, and S.-Y. Ma (2000), Combined ESR and EISCAT observations of the dayside polar cap and auroral oval during the May 15, 1997 storm, *Ann. Geophys.*, **18**, 1067–1072, 10.1007/s00585-000-1067-x.

[104] Lu, G., M. Brittnacher, G. Parks, and D. Lummerzheim (2000), On the magnetospheric source regions of substorm-related field-aligned currents and auroral precipitation, *J. Geophys. Res.*, **105**, 18,483–18,494, 10.1029/1999JA000365.

[105] Lyon, J. G. (2000), The Solar Wind-Magnetosphere-Ionosphere System, *Science*, **288**, 1987–1991, 10.1126/science.288.5473.1987.

[106] Lyons, L. R. (2000), Geomagnetic disturbances: characteristics of, distinction between types, and relations to interplanetary conditions, *J. Atmos. Solar-Terr. Phys.*, **62**, 1087–1114, 10.1016/S1364-6826(00)00097-3.

[107] Maia, D., M. Pick, S. E. Hawkins, and E. C. Roelof (2000), Coronal origin of particle events detected by EPAM: Multi-instrument observations, in *Acceleration and Transport of Energetic Particles Observed in the Heliosphere*, *American Institute of Physics Conference Series*, vol. 528, edited by R. A. Mewaldt, J. R. Jokipii, M. A. Lee, E. Möbius, & T. H. Zurbuchen , pp. 91–94, 10.1063/1.1324286.

[108] Marcucci, M. F., M. B. B. Cattaneo, A. M. Di Lellis, P. C. Irelli, L. M. Kistler, T.-D. Phan, G. Haerendel, B. Klecker, G. Paschmann, W. Baumjohann, E. Möbius, M. A. Popecki, J. A. Sauvaud, H. Rème, A. Korth, L. Eliasson, C. W. Carlson, M. McCarthy, and G. K. Parks (2000), Evidence for interplanetary magnetic field B_y controlled large-scale reconnection at the dayside magnetopause, *J. Geophys. Res.*, **105**, 27,497–27,508, 10.1029/2000JA000144.

[109] Massa, D. (2000), Raytheon ITSS, CASP, Lanham, Maryland 20706 http://www.stx.com. Report for the period 1 Oct 1998 - 30 Sep 1999., in *Bulletin of the American Astronomical Society*, *Bull. Amer. Astron. Soc.*, vol. 32, pp. 460–474.

[110] Mathie, R. A., and I. R. Mann (2000), Observations of Pc5 field line resonance azimuthal phase speeds: A diagnostic of their excitation mechanism, *J. Geophys. Res.*, **105**, 10,713–10,728, 10.1029/1999JA000174.

[111] Maynard, N. C., and W. J. Burke (2000), IMF Driving of Dayside Convection and the Cusp, in *Cluster-II Workshop Multiscale / Multipoint Plasma Measurements*, *ESA Special Publication*, vol. 449, edited by R. A. Harris, pp. 57–+.

[112] Maynard, N. C., W. J. Burke, R. F. Pfaff, E. J. Weber, D. M. Ober, D. R. Weimer, J. Moen, S. Milan, K. Måseide, P.-E. Sandholt, A. Egeland, F. Søraas, R. Lepping, S. Bounds, M. H. Acuña, H. Freudenreich, J. S. Machuzak, L. C. Gentile, J. H. Clemmons, M. Lester, P. Ning, D. A. Hardy, J. A. Holtet, J. Stadsnes, and T. van Eyken (2000), Driving dayside convection with northward IMF: Observations by a sounding rocket launched from Svalbard, *J. Geophys. Res.*, **105**, 5245–5264, 10.1029/1999JA900462.

[113] Mazelle, C., D. Le Quéau, and K. Meziane (2000), Nonlinear wave-particle interaction upstream from the Earth's bow shock, *Nonlin. Proc. Geophys.*, **7**, 185–190.

[114] McCrea, I. W., M. Lockwood, J. Moen, F. Pitout, P. Eglitis, A. D. Aylward, J.-C. Cerisier, A. Thorolfssen, and S. E. Milan (2000), ESR and EISCAT observations of the response of the cusp and cleft to IMF orientation changes, *Ann. Geophys.*, **18**, 1009–1026, 10.1007/s00585-000-1009-7.

[115] McEwen, D. J., W. Guo, and N. Lloyd (2000), Dynamics of the Polar F-Region During a Magnetic Storm, *Adv. Space Res.*, **26**, 989–992, 10.1016/S0273-1177(00)00043-0.

[116] McWilliams, K. A., T. K. Yeoman, and G. Provan (2000), A statistical survey of dayside pulsed ionospheric flows as seen by the CUTLASS Finland HF radar, *Ann. Geophys.*, **18**, 445–453, 10.1007/s00585-000-0445-8.

[117] Milan, S. E., M. Lester, S. W. H. Cowley, and M. Brittnacher (2000), Dayside convection and auroral morphology during an interval of northward interplanetary magnetic field, *Ann. Geophys.*, **18**, 436–444, 10.1007/s00585-000-0436-9.

[118] Milne, P. A., J. D. Kurfess, R. L. Kinzer, M. D. Leising, and D. D. Dixon (2000), Investigations of positron annihilation radiation, in *American Institute of Physics Conference Series*, *American Institute of Physics Conference Series*, vol. 510, edited by M. L. McConnell & J. M. Ryan, pp. 21–30, 10.1063/1.1303167.

[119] Moldwin, M. B. (2000), The challenge of placing in situ magnetotail observations into global context, *J. Atmos. Solar-Terr. Phys.*, **62**, 825–831, 10.1016/S1364-6826(00)00038-9.

[120] Moldwin, M. B., S. Ford, R. Lepping, J. Slavin, and A. Szabo (2000), Small-scale magnetic flux ropes in the solar wind, *Geophys. Res. Lett.*, **27**, 57–60, 10.1029/1999GL010724.

[121] Nagatsuma, T., T. Obara, and H. Ishibashi (2000), Relationship between Solar Wind Parameters and Magnetic Activity in the Near-Pole Region: Application to Space Weather Forecasting, *Adv. Space Res.*, **26**, 103–106, 10.1016/S0273-1177(99)01033-9.

[122] Neudegg, D. A., S. W. H. Cowley, S. E. Milan, T. K. Yeoman, M. Lester, G. Provan, G. Haerendel, W. Baumjohann, B. Nikutowski, J. Büchner, U. Auster, K.-H. Fornacon, and E. Georgescu (2000), A survey of magnetopause FTEs and associated flow bursts in the polar ionosphere, *Ann. Geophys.*, **18**, 416–435, 10.1007/s00585-000-0416-0.

[123] Nielsen, E., and F. Honary (2000), Observations of ionospheric flows and particle precipitation following a Sudden Commencement, *Ann. Geophys.*, **18**, 908–917, 10.1007/s00585-000-0908-y.

[124] Nishida, A. (2000), The Earth's Dynamic Magnetotail, *Space Sci. Rev.*, **91**, 507–577.

[125] Němeček, Z., J. Šafránková, L. Přech, G. N. Zastenker, K. I. Paularena, and S. Kokubun (2000), Magnetosheath Study: Interball Observation, *Adv. Space Res.*, **25**, 1511–1516, 10.1016/S0273-1177(99)00663-8.

[126] Ober, D. M., N. C. Maynard, W. J. Burke, J. Moen, A. Egeland, P. E. Sandholt, C. J. Farrugia, E. J. Weber, and J. D. Scudder (2000), Mapping prenoon auroral structures to the magnetosphere, *J. Geophys. Res.*, **105**, 27,519–27,530, 10.1029/2000JA000009.

[127] Ogilvie, K. W., R. Fitzenreiter, and M. Desch (2000), Electrons in the low-density solar wind, *J. Geophys. Res.*, **105**, 27,277–27,288, 10.1029/2000JA000131.

[128] Oksavik, K., F. Søraas, J. Moen, and W. J. Burke (2000), Optical and particle signatures of magnetospheric boundary layers near magnetic noon: Satellite and ground-based observations, *J. Geophys. Res.*, **105**, 27,555–27,568, 10.1029/1999JA000237.

[129] Ovchinnikov, I. L., E. E. Antonova, and Y. I. Yermolaev (2000), Determination of the Turbulent Diffusion Coefficient in the Plasma Sheet Using the Project INTERBALL Data, *Cosmic Res.*, **38**, 557–561.

[130] Parks, G., L. J. Chen, M. Fillingim, M. McCarthy, and R. P. Lin (2000), Plasma Behavior during Pseudobreakup and Expansive Aurorae, in *Fifth International Conference on Substorms*, *ESA Special Publication*, vol. 443, edited by A. Wilson, pp. 235–+.

[131] Petrinec, S. M., D. L. McKenzie, W. L. Imhof, J. Mobilia, and D. L. Chenette (2000), Studies of X-ray observations from PIXIE, *J. Atmos. Solar-Terr. Phys.*, **62**, 875–888, 10.1016/S1364-6826(00)00035-3.

[132] Petrukovich, A. A. (2000), The Growth Phase: Comparison of Small and Large Substorms, in *Fifth International Conference on Substorms*, *ESA Special Publication*, vol. 443, edited by A. Wilson, pp. 9–+.

[133] Petrukovich, A. A., E. I. Kallio, T. I. Pulkkinen, and H. E. J. Koskinen (2000), Solar Wind Energy Input and Magnetospheric Substorm Activity Compared, in *Fifth International Conference on Substorms*, *ESA Special Publication*, vol. 443, edited by A. Wilson, pp. 67–+.

[134] Phan, T. D., R. P. Lin, S. A. Fuselier, and M. Fujimoto (2000), Wind observations of mixed magnetosheath-plasma sheet ions deep inside the magnetosphere, *J. Geophys. Res.*, **105**, 5497–5506, 10.1029/1999JA900455.

[135] Pilipenko, V. A., E. N. Fedorov, M. J. Engebretson, V. O. Papitashvili, and J. F. Watermann (2000), Poleward progressing quasiperiodic disturbances at cusp latitudes: The role of wave processes, *J. Geophys. Res.*, **105**, 27,569–27,588, 10.1029/2000JA900076.

[136] Posner, A., V. Bothmer, H. Kunow, J. T. Gosling, B. Heber, A. J. Lazarus, J. A. Linker, R. G. Marsden, Z. Mikić, R. Müller-Mellin, T. R. Sanderson, A. Szabo, and B. J. Thompson (2000), Energetic Particle Signatures of a Corotating Interaction Region from a High Latitude Coronal Hole: SOHO, Wind and Ulysses Observations, *Adv. Space Res.*, **26**, 865–870, 10.1016/S0273-1177(00)00020-X.

[137] Pryse, S. E., A. M. Smith, L. Kersley, I. K. Walker, C. N. Mitchell, J. Moen, and R. W. Smith (2000), Multi-instrument probing of the polar ionosphere under steady northward IMF, *Ann. Geophys.*, **18**, 90–98, 10.1007/s00585-000-0090-2.

[138] Pryse, S. E., A. M. Smith, and L. Kersley (2000), Dayside ionospheric response to changes in IMF polarity: optical and plasma-flow observations, *Ann. Geophys.*, **18**, 782–788, 10.1007/s00585-000-0782-7.

[139] Pulkkinen, T. I., and H. E. J. Koskinen (2000), Multipoint Measurements in the Magnetosphere: ISTP Results and Challenges for Cluster-II, in *Cluster-II Workshop Multiscale / Multipoint Plasma Measurements*, *ESA Special Publication*, vol. 449, edited by R. A. Harris, pp. 63–+.

[140] Raeder, J., O. Vaisberg, V. Smirnov, and L. Avanov (2000), Reconnection driven lobe convection: Interball tail probe observations and global simulations, *J. Atmos. Solar-Terr. Phys.*, **62**, 833–849, 10.1016/S1364-6826(00)00041-9.

[141] Raymond, J. C., B. J. Thompson, O. C. St. Cyr, N. Gopalswamy, S. Kahler, M. Kaiser, A. Lara, A. Ciaravella, M. Romoli, and R. O'Neal (2000), SOHO and radio observations of a CME shock wave, *Geophys. Res. Lett.*, **27**, 1439–1442, 10.1029/1999GL003669.

[142] Reames, D. V. (2000), Abundances of Trans-Iron Elements in Solar Energetic Particle Events, *Astrophys. J.*, **540**, L111–L114, 10.1086/312886.

[143] Reiner, M. J., M. L. Kaiser, S. P. Plunkett, N. P. Prestage, and R. Manning (2000), Radio Tracking of a White-Light Coronal Mass Ejection from Solar Corona to Interplanetary Medium, *Astrophys. J.*, **529**, L53–L56, 10.1086/312446.

[144] Richardson, I. G., D. Berdichevsky, M. D. Desch, and C. J. Farrugia (2000), Solar-cycle variation of low density solar wind during more than three solar cycles, *Geophys. Res. Lett.*, **27**, 3761–3764, 10.1029/2000GL000077.

[145] Ridley, A. J. (2000), Estimations of the uncertainty in timing the relationship between magnetospheric and solar wind processes, *J. Atmos. Solar-Terr. Phys.*, **62**, 757–771, 10.1016/S1364-6826(00)00057-2.

[146] Russell, C. T. (2000), The Polar Cusp, *Adv. Space Res.*, **25**, 1413–1424, 10.1016/S0273-1177(99)00653-5.

[147] Russell, C. T., G. Lu, and J. G. Luhmann (2000), Lessons from the ring current injection during the September 24, 25, 1998 storm, *Geophys. Res. Lett.*, **27**, 1371–+, 10.1029/1999GL003718.

[148] Russell, C. T., Y. L. Wang, J. Raeder, R. L. Tokar, C. W. Smith, K. W. Ogilvie, A. J. Lazarus, R. P. Lepping, A. Szabo, H. Kawano, T. Mukai, S. Savin, Y. I. Yermolaev, X.-Y. Zhou, and B. T. Tsurutani (2000), The interplanetary shock of September 24, 1998: Arrival at Earth, *J. Geophys. Res.*, **105**, 25,143–25,154, 10.1029/2000JA900070.

[149] Safargaleev, V., and S. Osipenko (2000), TV observations of multiple arcs in pulsating and diffuse auroras, *Phys. Chem. Earth B*, **25**, 515–520, 10.1016/S1464-1909(00)00056-3.

[150] Šafránková, J., L. Přech, Z. Němeček, D. G. Sibeck, and T. Mukai (2000), Magnetosheath response to the interplanetary magnetic field tangential discontinuity, *J. Geophys. Res.*, **105**, 25,113–25,122, 10.1029/1999JA000435.

[151] Salem, C. (2000), Ondes, Turbulence et phénomènes dissipatifs dans le vent solaire à partir des observations de la sonde Wind, Ph.D. thesis, University of Paris, France, advisor: André Mangeney.

[152] Salvati, M. A., U. S. Inan, T. J. Rosenberg, and A. T. Weatherwax (2000), Solar wind control of polar chorus, *Geophys. Res. Lett.*, **27**, 649–656, 10.1029/1999GL010702.

[153] Sandholt, P. E., C. J. Farrugia, S. W. H. Cowley, M. Lester, W. F. Denig, J.-C. Cerisier, S. E. Milan, J. Moen, E. Trondsen, and B. Lybekk (2000), Dynamic cusp aurora and associated pulsed reverse convection during northward interplanetary magnetic field, *J. Geophys. Res.*, **105**, 12,869–12,894, 10.1029/2000JA900025.

[154] Schulz, M., D. L. Chenette, W. L. Imhof, J. Mobilia, S. M. Petrinec, M. A. Rinaldi, J. B. Cladis, F. Fenrich, and M. C. McNab (2000), Mappings of Auroral X-Ray Emissions to the Equatorial Magnetosphere: A Study of the 11 April 1997 Event, *Adv. Space Res.*, **25**, 1645–1650, 10.1016/S0273-1177(99)00679-1.

[155] Schwartz, S. J., G. Paschmann, N. Sckopke, T. M. Bauer, M. Dunlop, A. N. Fazakerley, and M. F. Thomsen (2000), Conditions for the formation of hot flow anomalies at Earth's bow shock, *J. Geophys. Res.*, **105**, 12,639–12,650, 10.1029/1999JA000320.

[156] Sharma, A. S., V. A. Sergeev, M. I. Sitnov, and K. Papadopoulos (2000), Global and Multi-Scale Features of Substorms Inferred from Ground-based and Multi-Spacecraft Data, in *Fifth International Conference on Substorms*, *ESA Special Publication*, vol. 443, edited by A. Wilson, pp. 193–+.

[157] Shimazu, H., and K. Marubashi (2000), New method for detecting interplanetary flux ropes, *J. Geophys. Res.*, **105**, 2365–2374, 10.1029/1999JA900456.

[158] Shodhan, S., N. U. Crooker, S. W. Kahler, R. J. Fitzenreiter, D. E. Larson, R. P. Lepping, G. L. Siscoe, and J. T. Gosling (2000), Counterstreaming electrons in magnetic clouds, *J. Geophys. Res.*, **105**, 27,261–27,268, 10.1029/2000JA000060.

[159] Shue, J.-H., C. T. Russell, and P. Song (2000), Shape of the Low-Latitude Magnetopause: Comparison of Models, *Adv. Space Res.*, **25**, 1471–1484, 10.1016/S0273-1177(99)00658-4.

[160] Smith, E. J., J. R. Jokipii, J. Kóta, R. P. Lepping, and A. Szabo (2000), Evidence of a North-South Asymmetry in the Heliosphere Associated with a Southward Displacement of the Heliospheric Current Sheet, *Astrophys. J.*, **533**, 1084–1089, 10.1086/308685.

[161] Smith, E. J., A. Balogh, R. F. Forsyth, B. T. Tsurutani, and R. P. Lepping (2000), Recent Observations of the Heliospheric Magnetic Field at Ulysses: Return to Low Latitude, *Adv. Space Res.*, **26**, 823–832, 10.1016/S0273-1177(00)00014-4.

[162] Strangeway, R. J., C. T. Russell, C. W. Carlson, J. P. McFadden, R. E. Ergun, M. Temerin, D. M. Klumpar, W. K. Peterson, and T. E. Moore (2000), Cusp field-aligned currents and ion outflows, *J. Geophys. Res.*, **105**, 21,129–21,142, 10.1029/2000JA900032.

[163] Stubbs, T. J., P. J. Cargill, M. Grande, B. Kellett, M. Lockwood, and C. Perry (2000), Observations of the Northern Polar Cusp with the Polar Spacecraft, in *Cluster-II Workshop Multiscale / Multipoint Plasma Measurements*, *ESA Special Publication*, vol. 449, edited by R. A. Harris, pp. 319–+.

[164] Su, Y.-J., J. E. Borovsky, M. F. Thomsen, R. C. Elphic, and D. J. McComas (2000), Plasmaspheric material at the reconnecting magnetopause, *J. Geophys. Res.*, **105**, 7591–7600, 10.1029/1999JA000266.

[165] Tagirov, V. R., K. Liou, D. G. Sibeck, and V. A. Arinin (2000), Study of a Sequence of Substorm Onsets on the Basis of Coordinated Ground-Satellite Observations, *Phys. Chem. Earth B*, **25**, 559–563, 10.1016/S1464-1909(00)00064-2.

[166] Takeuchi, T., T. Araki, H. Luehr, O. Rasmussen, J. Watermann, D. K. Milling, I. R. Mann, K. Yumoto, K. Shiokawa, and T. Nagai (2000), Geomagnetic negative sudden impulse due to a magnetic cloud observed on May 13, 1995, *J. Geophys. Res.*, **105**, 18,835–18,846, 10.1029/2000JA900055.

[167] Takeuchi, T., T. Araki, R. P. Lepping, T. Mukai, Y. Saito, S. Kokubun, T. Yamamoto, T. Nagai, and T. Iyemori (2000), A Magnetic Cloud with Unusual Structure and Bow Shock Movement Observed on May 13, 1995, *Adv. Space Res.*, **25**, 1397–1400, 10.1016/S0273-1177(99)00650-X.

[168] Thompson, B. J., B. Reynolds, H. Aurass, N. Gopalswamy, J. B. Gurman, H. S. Hudson, S. F. Martin, and O. C. St. Cyr (2000), Observations of the 24 September 1997 Coronal Flare Waves, *Solar Phys.*, **193**, 161–180.

[169] Thorolfsson, A., J.-C. Cerisier, M. Lockwood, P. E. Sandholt, C. Senior, and M. Lester (2000), Simultaneous optical and radar signatures of poleward-moving auroral forms, *Ann. Geophys.*, **18**, 1054–1066, 10.1007/s00585-000-1054-2.

[170] Thrane, E. V., T. A. Blix, and K. R. Svenes (2000), Irregular structures observed below 71 km in the night-time polar D-region, *Ann. Geophys.*, **18**, 215–222, 10.1007/s00585-000-0215-7.

[171] Tokarev, Y. V., M. L. Kaiser, G. N. Boiko, and P. V. Gustov (2000), Anisotropy of the Hectometer Cosmic Radio Background, *Astron. Lett.*, **26**, 553–557, 10.1134/1.1307888.

[172] Tokarev, Y. V., M. L. Kaiser, Y. I. Belov, G. N. Boiko, and N. V. Murav'eva (2000), Small-Scale Turbulence of the Solar Wind in the Vicinity of the Earth's Shock Wave, *Solar Syst. Res.*, **34**, 128–+.

[173] Tokumaru, M., M. Kojima, K. Fujiki, and A. Yokobe (2000), Three-dimensional propagation of interplanetary disturbances detected with radio scintillation measurements at 327 MHz, *J. Geophys. Res.*, **105**, 10,435–10,454, 10.1029/2000JA900001.

[174] Torsti, J., P. Mäkelä, M. Teittinen, and J. Laivola (2000), SOHO/Energetic and Relativistic Nucleon and Electron Experiment Measurements of Energetic H, He, O, and Fe Fluxes during the 1997 November 6 Solar Event, *Astrophys. J.*, **544**, 1169–1180, 10.1086/317219.

[175] Tsyganenko, N. A. (2000), Solar wind control of the tail lobe magnetic field as deduced from Geotail, AMPTE/IRM, and ISEE 2 data, *J. Geophys. Res.*, **105**, 5517–5528, 10.1029/1999JA000375.

[176] Turner, N. E., D. N. Baker, T. I. Pulkkinen, and R. L. McPherron (2000), Evaluation of the tail current contribution to Dst, *J. Geophys. Res.*, **105**, 5431–5440, 10.1029/1999JA000248.

[177] Tylka, A. J., P. R. Boberg, R. E. McGuire, C. K. Ng, and D. V. Reames (2000), Temporal evolution in the spectra of gradual solar energetic particle events, in *Acceleration and Transport of Energetic Particles Observed in the Heliosphere*, *American Institute of Physics Conference Series*, vol. 528, edited by R. A. Mewaldt, J. R. Jokipii, M. A. Lee, E. Möbius, & T. H. Zurbuchen , pp. 147–152, 10.1063/1.1324300.

[178] Uspensky, M., P. Eglitis, N. Partamies, G. Starkov, A. Fabirovsky, H. Opgenoorth, T. Pulkkinen, and R. Pellinen (2000), HF Radar Observations of an Isolated Substorm after Prolonged Quiet Geomagnetic Conditions, in *Fifth International Conference on Substorms*, *ESA Special Publication*, vol. 443, edited by A. Wilson, pp. 95–+.

[179] van Driel-Gesztelyi, L., P. K. Manoharan, P. Démoulin, G. Aulanier, C. H. Mandrini, M. Lopez-Fuentes, B. Schmieder, S. Orlando, B. Thompson, and S. Plunkett (2000), Initiation of CMEs: the role of magnetic twist, *J. Atmos. Solar-Terr. Phys.*, **62**, 1437–1448, 10.1016/S1364-6826(00)00087-0.

[180] Vovchenko, V. V., Y. I. Galperin, D. V. Chugunin, and N. Dubouloz (2000), A New Population of the Cusp Suprathermal Protons Formed at Mid-Altitudes: INTERBALL-2 Measurements, *Cosmic Res.*, **38**, 547–556.

[181] Watari, S., and T. Watanabe (2000), High-Speed Streams from Coronal Holes and Coronal Mass Ejections Around the Solar Minimum of Cycle 22, *Adv. Space Res.*, **25**, 1863–1866, 10.1016/S0273-1177(99)00632-8.

[182] Webb, D. F. (2000), Understanding CMEs and their source regions, *J. Atmos. Solar-Terr. Phys.*, **62**, 1415–1426, 10.1016/S1364-6826(00)00075-4.

[183] Webb, D. F. (2000), Coronal mass ejections: origins, evolution, and role in space weather, *IEEE Trans. Plasma Sci.*, **28**, 1795–1806, 10.1109/27.902209.

[184] Webb, D. F., R. P. Lepping, L. F. Burlaga, C. E. DeForest, D. E. Larson, S. F. Martin, S. P. Plunkett, and D. M. Rust (2000), The origin and development of the May 1997 magnetic cloud, *J. Geophys. Res.*, **105**, 27,251–27,260, 10.1029/2000JA000021.

[185] Wiltberger, M., T. I. Pulkkinen, J. G. Lyon, and C. C. Goodrich (2000), MHD simulation of the magnetotail during the December 10, 1996, substorm, *J. Geophys. Res.*, **105**, 27,649–27,664, 10.1029/1999JA000251.

[186] Wu, D. J., J. K. Chao, and R. P. Lepping (2000), Interaction between an interplanetary magnetic cloud and the Earth's magnetosphere: Motions of the bow shock, *J. Geophys. Res.*, **105**, 12,627–12,638, 10.1029/1999JA000265.

[187] Wüest, M., M. M. Huddleston, J. L. Burch, D. L. Dempsey, P. D. Craven, M. O. Chandler, J. F. Spann, W. K. Peterson, H. L. Collin, and W. Lennartsson (2000), Magnetospheric Response to the Arrival of the Shock Wave in Front of the Magnetic Cloud of January 10, 1997, *Adv. Space Res.*, **25**, 1401–1404, 10.1016/S0273-1177(99)00651-1.

[188] Yeoman, T. K., R. V. Lewis, H. Khan, S. W. H. Cowley, and J. M. Ruohoniemi (2000), Interhemispheric observations of nightside ionospheric electric fields in response to IMF B z and B y changes and substorm pseudobreakup, *Ann. Geophys.*, **18**, 897–+, 10.1007/s00585-000-0897-x.

[189] Yeoman, T. K., J. A. Davies, N. M. Wade, G. Provan, and S. E. Milan (2000), Combined CUTLASS, EISCAT and ESR observations of ionospheric plasma flows at the onset of an isolated substorm, *Ann. Geophys.*, **18**, 1073–1087, 10.1007/s00585-000-1073-z.

[190] Yeoman, T. K., H. Khan, S. W. H. Cowley, R. V. Lewis, and J. M. Ruohoniemi (2000), Interhemispheric HF Radar Observations of Nightside Ionospheric Convection in Response to IMF B_z and B_y Changes and Substorm Pseudobreakup, in *Fifth International Conference on Substorms*, *ESA Special Publication*, vol. 443, edited by A. Wilson, pp. 103–+.

[191] Yermolaev, Y. I., G. N. Zastenker, and N. S. Nikolaeva (2000), The Earth's Magnetosphere Response to Solar Wind Events according to the INTERBALL Project Data, *Cosmic Res.*, **38**, 527–539.

[192] Zarka, P. (2000), Radio Emissions from the Planets and their Moons, in *Radio Astronomy at Long Wavelengths*, edited by R. G. Stone, K. W. Weiler, M. L. Goldstein, & J.-L. Bougeret , pp. 167–178.

[193] Zastenker, G., P. Dalin, A. Petrukovich, M. Nozdrachev, S. Romanov, K. Paularena, J. Richardson, A. Lazarus, R. Lepping, and A. Szabo (2000), Solar wind structure dynamics by multipoint observations, *Phys. Chem. Earth C*, **25**, 137–140, 10.1016/S1464-1917(99)00055-0.

[194] Zhang, Y., D. J. McEwen, W. Guo, and P. C. Anderson (2000), Polar ionospheric responses to solar wind IMF changes, *Ann. Geophys.*, **18**, 629–639, 10.1007/s00585-000-0629-2.

[195] Zhou, X., B. T. Tsurutani, and W. D. Gonzalez (2000), The solar wind depletion (SWD) event of 26 April 1999: Triggering of an auroral "pseudobreakup" event, *Geophys. Res. Lett.*, **27**, 4025–4028, 10.1029/2000GL003805.

[196] Zolotukhina, N. A., N. M. Polekh, R. A. Rakhmatulin, and I. P. Kharchenko (2000), Geophysical effects of the interplanetary magnetic cloud on October 18-19, 1995, as deduced from observations at Irkutsk, *J. Atmos. Solar-Terr. Phys.*, **62**, 737–749, 10.1016/S1364-6826(00)00059-6.

[197] Zong, Q.-G., B. Wilken, S. Y. Fu, and Z.-Y. Pu (2000), Energetic Oxygen Ions Sounding the Magnetopause, in *Cluster-II Workshop Multiscale / Multipoint Plasma Measurements*, *ESA Special Publication*, vol. 449, edited by R. A. Harris, pp. 379–+.