

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

## References

- [1] Anagnostopoulos, G. C. (1998), Comment on "Energetic heavy ions observed upstream of the Earth's bow shock by the STEP/EPACT instrument on Wind" by G. M. Mason, J. E. Mazur, and T. T. von Rosenvinge, *Geophys. Res. Lett.*, **25**, 1523–1526, doi:10.1029/98GL00989.
- [2] Aptekar, R. L., P. S. Butterworth, T. L. Cline, D. D. Frederiks, S. V. Golenetskii, V. N. Il'inskii, E. P. Mazets, V. N. Panov, Z. J. Sokolova, D. E. Stilwell, and M. M. Terekhov (1998), GRB observations with Konus-Wind in 1994-1997, in *Gamma-Ray Bursts, 4th Hunstville Symposium, American Institute of Physics Conference Series*, vol. 428, edited by C. A. Meegan, R. D. Preece, & T. M. Koshut, pp. 10–14, doi:10.1063/1.55304.
- [3] Aptekar, R. L., P. S. Butterworth, T. L. Cline, D. D. Frederiks, S. V. Golenetskii, V. N. Il'inskii, E. P. Mazets, D. E. Stilwell, and M. M. Terekhov (1998), Konus-Wind and Konus-A observations of GRB970228, in *Gamma-Ray Bursts, 4th Hunstville Symposium, American Institute of Physics Conference Series*, vol. 428, edited by C. A. Meegan, R. D. Preece, & T. M. Koshut, pp. 516–519, doi:10.1063/1.55374.
- [4] Aptekar, R. L., P. S. Butterworth, T. L. Cline, D. D. Frederiks, S. V. Golenetskii, V. N. Il'inskii, E. P. Mazets, D. E. Stilwell, and M. M. Terekhov (1998), Hard X-Ray Bursts from GRO J1744-28. I. Observations by the Konus-Wind and Konus-A Experiments, *Astrophys. J.*, **493**, 404–+, doi:10.1086/305100.
- [5] Aptekar, R. L., P. S. Butterworth, T. L. Cline, D. D. Frederiks, S. V. Golenetskii, V. N. Il'inskii, E. P. Mazets, D. E. Stilwell, and M. M. Terekhov (1998), Hard X-Ray Bursts from GRO J1744-128. II. Statistical Studies, *Astrophys. J.*, **493**, 408–+, doi:10.1086/305101.
- [6] Arge, C. N., and V. J. Pizzo (1998), Space Weather Forecasting at NOAA/SEC Using the Wang-Sheeley Model, in *Synoptic Solar Physics, Astronomical Society of the Pacific Conference Series*, vol. 140, edited by K. S. Balasubramaniam, J. Harvey, & D. Rabin, pp. 423–+.
- [7] Ashford, S. M. (1998), The Origin of the Suprathermal Seed Population for Fermi Acceleration of Ions at the Earth's Bow Shock, Ph.D. thesis, UNIVERSITY OF CALIFORNIA, BERKELEY.
- [8] Bale, S. D., P. J. Kellogg, D. E. Larson, R. P. Lin, K. Goetz, and R. P. Lepping (1998), Bipolar electrostatic structures in the shock transition region: Evidence of electron phase space holes, *Geophys. Res. Lett.*, **25**, 2929–2932, doi:10.1029/98GL02111.
- [9] Ballatore, P., L. J. Lanzerotti, and C. G. MacLennan (1998), Multistation measurements of Pc5 geomagnetic power amplitudes at high latitudes, *J. Geophys. Res.*, **1032**, 29,455–29,466, doi:10.1029/1998JA900035.
- [10] Barthelmy, S. D., P. Butterworth, T. L. Cline, and N. Gehrels (1998), A summary of observations made by the GRB Coordinates Network (GCN) sites, in *Gamma-Ray Bursts, 4th Hunstville Symposium, American Institute of Physics Conference Series*, vol. 428, edited by C. A. Meegan, R. D. Preece, & T. M. Koshut, pp. 139–143, doi:10.1063/1.55310.

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- [11] Bastian, T. S., A. O. Benz, and D. E. Gary (1998), Radio Emission from Solar Flares, *Ann. Rev. Astron. Astrophys.*, *36*, 131–188, doi:10.1146/annurev.astro.36.1.131.
- [12] Berdichevsky, D., J.-L. Bougeret, J.-P. Delaboudinière, N. Fox, M. Kaiser, R. Lepping, D. Michels, S. Plunkett, D. Reames, M. Reiner, I. Richardson, G. Rostoker, J. Steinberg, B. Thompson, and T. von Rosenvinge (1998), Evidence for multiple ejecta: April 7–11, 1997, ISTP Sun-Earth connection event, *Geophys. Res. Lett.*, *25*, 2473–2476, doi:10.1029/97GL03771.
- [13] Bochsler, P. (1998), Structure of the Solar Wind and Compositional Variations, *Space Sci. Rev.*, *85*, 291–302, doi:10.1023/A:1005114920154.
- [14] Bochsler, P. (1998), Scientific Achievements of SOHO: In-situ Solar Wind, in *Crossroads for European Solar and Heliospheric Physics. Recent Achievements and Future Mission Possibilities, ESA Special Publication*, vol. 417, pp. 35–+.
- [15] Bougeret, J.-L., P. Zarka, C. Caroubalos, M. Karlický, Y. Leblanc, D. Maroulis, A. Hillaris, X. Moussas, C. E. Alissandrakis, G. Dumas, and C. Perche (1998), A shock associated (SA) radio event and related phenomena observed from the base of the solar corona to 1 AU, *Geophys. Res. Lett.*, *25*, 2513–2516, doi:10.1029/98GL50563.
- [16] Boyle, C. B. (1998), Polar CAP Response to the 18-21 October 1995 Magnetic Cloud Event, Ph.D. thesis, RICE UNIVERSITY.
- [17] Breen, A. R., P. J. Moran, C. A. Varley, W. P. Wilkinson, P. J. S. Williams, W. A. Coles, A. Lecinski, and J. Markkanen (1998), Interplanetary scintillation observations of interaction regions in the solar wind, *Ann. Geophys.*, *16*, 1265–1282, doi:10.1007/s00585-998-1265-5.
- [18] Bristow, W. A., J. M. Ruohoniemi, and R. A. Greenwald (1998), Super Dual Auroral Radar Network observations of convection during a period of small-magnitude northward IMF, *J. Geophys. Res.*, *103*, 4051–4062, doi:10.1029/97JA03168.
- [19] Bübler, P., A. Johnstone, L. Desorgher, A. Zehnder, E. Daly, and L. Adams (1998), The outer radiation belt during the 10 January, 1997 CME event, *Geophys. Res. Lett.*, *25*, 2983–2986, doi:10.1029/98GL50338.
- [20] Burlaga, L., R. Fitzenreiter, R. Lepping, K. Ogilvie, A. Szabo, A. Lazarus, J. Steinberg, G. Gloeckler, R. Howard, D. Michels, C. Farrugia, R. P. Lin, and D. E. Larson (1998), A magnetic cloud containing prominence material - January 1997, *J. Geophys. Res.*, *103*, 277–+, doi:10.1029/97JA02768.
- [21] Cane, H. V., I. G. Richardson, and O. C. St Cyr (1998), The interplanetary events of January-May, 1997 as inferred from energetic particle data, and their relationship with solar events, *Geophys. Res. Lett.*, *25*, 2517–2520, doi:10.1029/98GL00494.
- [22] Ceprani, C., U. Villante, and F. Mariani (1998), Interplanetary structures observed by WIND during 1995-1996, *Mem. Soc. Astron. Italiana*, *69*, 765–+.

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- [23] Chang, S.-W., J. D. Scudder, J. B. Sigwarth, L. A. Frank, N. C. Maynard, W. J. Burke, W. K. Peterson, E. G. Shelley, R. Friedel, J. B. Blake, R. A. Greenwald, R. P. Lepping, G. J. Sofko, J.-P. Villain, and M. Lester (1998), A comparison of a model for the theta aurora with observations from Polar, Wind, and SuperDARN, *J. Geophys. Res.*, **103**, 17,367–17,390, doi:10.1029/97JA02255.
- [24] Chang, S.-W., J. D. Scudder, S. A. Fuselier, J. F. Fennell, K. J. Trattner, J. S. Pickett, H. E. Spence, J. D. Menietti, W. K. Peterson, R. P. Lepping, and R. Friedel (1998), Cusp energetic ions: A bow shock source, *Geophys. Res. Lett.*, **25**, 3729–3732, doi:10.1029/98GL52808.
- [25] Chen, J., and T. A. Fritz (1998), Correlation of cusp MeV helium with turbulent ULF power spectra and its implications, *Geophys. Res. Lett.*, **25**, 4113–4116, doi:10.1029/1998GL900122.
- [26] Chen, J., T. A. Fritz, R. B. Sheldon, H. E. Spence, W. N. Spjeldvik, J. F. Fennell, S. Livi, C. T. Russell, J. S. Pickett, and D. A. Gurnett (1998), Cusp energetic particle events: Implications for a major acceleration region of the magnetosphere, *J. Geophys. Res.*, **103**, 69–78, doi:10.1029/97JA02246.
- [27] Chotoo, K. (1998), Measurements of H(+), He(2+), and He(+), in Corotating Interaction Regions at 1 AU, Ph.D. thesis, UNIVERSITY OF MARYLAND COLLEGE PARK.
- [28] Chotoo, K., M. R. Collier, A. B. Galvin, D. C. Hamilton, and G. Gloeckler (1998), Extended solar wind helium distribution functions in high-speed streams, *J. Geophys. Res.*, **103**, 17,441–17,446, doi:10.1029/98JA01173.
- [29] Christon, S. P., C. S. Cohen, G. Gloeckler, T. E. Eastman, A. B. Galvin, F. M. Ipavich, Y.-K. Ko, A. T. Y. Lui, R. A. Lundgren, R. W. McEntire, E. C. Roelof, and D. J. Williams (1998), Concurrent observations of solar wind oxygen by Geotail in the magnetosphere and Wind in interplanetary space, *Geophys. Res. Lett.*, **25**, 2987–2990, doi:10.1029/98GL01408.
- [30] Claßen, H.-T., and G. Mann (1998), Electron acceleration and type II radio emission at quasi-parallel shock waves, *Radiophys. Quantum Electron.*, **41**, 53–67, doi:10.1007/BF02676712.
- [31] Cline, T. L., E. P. Mazets, and S. V. Golenetskii (1998), Sgr 1900+14, *Int. Astron. Union Circ.*, **7002**, 1–.
- [32] Collier, M. R., J. A. Slavin, R. P. Lepping, A. Szabo, and K. Ogilvie (1998), Timing accuracy for the simple planar propagation of magnetic field structures in the solar wind, *Geophys. Res. Lett.*, **25**, 2509–2512, doi:10.1029/98GL00735.
- [33] Collier, M. R., J. A. Slavin, R. P. Lepping, K. Ogilvie, A. Szabo, H. Laakso, and S. Taguchi (1998), Multispacecraft observations of sudden impulses in the magnetotail caused by solar wind pressure discontinuities: Wind and IMP 8, *J. Geophys. Res.*, **103**, 17,293–17,306, doi:10.1029/97JA02870.

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- [34] Collier, M. R., D. C. Hamilton, G. Gloeckler, G. Ho, P. Bochsler, R. Bodmer, and R. Sheldon (1998), Oxygen 16 to oxygen 18 abundance ratio in the solar wind observed by Wind/MASS, *J. Geophys. Res.*, **103**, 7–+, doi:10.1029/97JA02245.
- [35] Crooker, N. U., A. H. McAllister, R. J. Fitzenreiter, J. A. Linker, D. E. Larson, R. P. Lepping, A. Szabo, J. T. Steinberg, A. J. Lazarus, Z. Mikic, and R. P. Lin (1998), Sector boundary transformation by an open magnetic cloud, *J. Geophys. Res.*, **103**, 26,859–26,868, doi:10.1029/98JA02391.
- [36] de Sanctis, G., M. Vellante, and U. Villante (1998), Geomagnetic pulsations at Terra Nova Bay (Antarctica): relationship with the solar wind velocity and the interplanetary magnetic field, *Mem. Soc. Astron. Italiana*, **69**, 769–+.
- [37] Desorgher, L., P. Bühler, A. Zehnder, E. Daly, and L. Adams (1998), Outer radiation belt variations during 1995, *Adv. Space Res.*, **22**, 83–87, doi:10.1016/S0273-1177(97)01105-8.
- [38] Dremukhina, L. a., A. e. Levitin, and V. o. Papitashvili (1998), Analytical representation of izmem model for near-real time prediction of electromagnetic weather, *J. Atmos. Solar-Terr. Phys.*, **60**, 1517–1529, doi:10.1016/S1364-6826(98)00084-4.
- [39] Dryer, M., M. D. Andrews, H. Aurass, C. DeForest, A. B. Galvin, H. Garcia, F. M. Ipavich, M. Karlický, A. Kiplinger, A. Klassen, R. Meisner, S. E. Paswaters, Z. Smith, S. J. Tappin, B. J. Thompson, S. I. Watari, D. J. Michels, G. E. Brueckner, R. A. Howard, M. J. Koomen, P. Lamy, G. Mann, K. Arzner, and R. Schwenn (1998), The Solar Minimum Active Region 7978, Its X2.6/1B Flare, CME, and Interplanetary Shock Propagation of 9 July 1996, *Solar Phys.*, **181**, 159–183.
- [40] Dudeney, J. R., R. I. Kressman, and A. S. Rodger (1998), Automated observatories for geospace research in polar regions, *Antarctic Science*, **10**, 192–203, doi:10.1017/S0954102098000261.
- [41] Dulk, G. A., Y. Leblanc, P. A. Robinson, J.-L. Bougeret, and R. P. Lin (1998), Electron beams and radio waves of solar type III bursts, *J. Geophys. Res.*, **103**, 17,223–17,234, doi:10.1029/97JA03061.
- [42] Ebihara, Y., and M. Ejiri (1998), Modeling of solar wind control of the ring current buildup: A case study of the magnetic storms in April 1997, *Geophys. Res. Lett.*, **25**, 3751–3754, doi:10.1029/1998GL900006.
- [43] Ergun, R. E., D. Larson, R. P. Lin, J. P. McFadden, C. W. Carlson, K. A. Anderson, L. Muschietti, M. McCarthy, G. K. Parks, H. Reme, J. M. Bosqued, C. D'Uston, T. R. Sanderson, K. P. Wenzel, M. Kaiser, R. P. Lepping, S. D. Bale, P. Kellogg, and J.-L. Bougeret (1998), Wind Spacecraft Observations of Solar Impulsive Electron Events Associated with Solar Type III Radio Bursts, *Astrophys. J.*, **503**, 435–+, doi:10.1086/305954.
- [44] Farrell, W. M., M. L. Kaiser, J. T. Steinberg, and S. D. Bale (1998), A simple simulation of a plasma void: Applications to Wind observations of the lunar wake, *J. Geophys. Res.*, **103**, 23,653–23,660, doi:10.1029/97JA03717.

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- [45] Farrugia, C. J., P. E. Sandholt, J. Moen, and R. L. Arnoldy (1998), Unusual features of the January 1997 magnetic cloud and their effect on optical dayside auroral signatures, *Geophys. Res. Lett.*, *25*, 3051–3054, doi:10.1029/98GL01226.
- [46] Farrugia, C. J., P. E. Sandholt, W. F. Denig, and R. B. Torbert (1998), Observation of a correspondence between poleward moving auroral forms and stepped cusp ion precipitation, *J. Geophys. Res.*, *103*, 9309–9316, doi:10.1029/97JA02882.
- [47] Farrugia, C. J., J. D. Scudder, M. P. Freeman, L. Janoo, G. Lu, J. M. Quinn, R. L. Arnoldy, R. B. Torbert, L. F. Burlaga, K. W. Ogilvie, R. P. Lepping, A. J. Lazarus, J. T. Steinberg, F. T. Gratton, and G. Rostoker (1998), Geoeffectiveness of three Wind magnetic clouds: A comparative study, *J. Geophys. Res.*, *103*, 17,261–17,278, doi: 10.1029/98JA00886.
- [48] Fiorelli, C., S. Lepidi, U. Villante, and A. J. Lazarus (1998), Geometry and motion of the Earth's bow shock: an analysis of WIND observations, *Mem. Soc. Astron. Italiana*, *69*, 773–+.
- [49] Fisk, L. A., K.-P. Wenzel, A. Balogh, R. A. Burger, A. C. Cummings, P. Evenson, B. Heber, J. R. Jokipii, M. B. Krainev, J. Kóta, H. Kunow, J. A. Le Roux, F. B. McDonald, R. B. McKibben, M. S. Potgieter, J. A. Simpson, C. D. Steenberg, S. Suess, W. R. Webber, G. Wibberenz, M. Zhang, P. Ferrando, Z. Fujii, J. A. Lockwood, H. Moraal, and E. C. Stone (1998), Global Processes that Determine Cosmic Ray Modulation, *Space Sci. Rev.*, *83*, 179–214.
- [50] Fitzenreiter, R. J., K. W. Ogilvie, D. J. Chornay, and J. Keller (1998), Observations of electron velocity distribution functions in the solar wind by the WIND spacecraft: High angular resolution strahl measurements, *Geophys. Res. Lett.*, *25*, 249–252, doi: 10.1029/97GL03703.
- [51] Frederiks, D. D., R. L. Aptekar, S. V. Golenetskii, V. N. Il'Inskii, E. P. Mazets, and M. M. Terekhov (1998), Observations of SGR1806-20 with the Konus-Wind and Konus-A experiments in 1996-97, in *Gamma-Ray Bursts, 4th Huntsville Symposium, American Institute of Physics Conference Series*, vol. 428, edited by C. A. Meegan, R. D. Preece, & T. M. Koshut, pp. 921–925, doi:10.1063/1.55420.
- [52] Freeman, T. J. (1998), A Study of Fermi Acceleration of Suprathermal Solar Wind Ions, Ph.D. thesis, UNIVERSITY OF WASHINGTON.
- [53] Frey, H. U., S. B. Mende, H. B. Vo, J. H. Doolittle, A. T. Weatherwax, and T. J. Rosenberg (1998), The aurora during the passage of the May 27, 1996 magnetic cloud, *Geophys. Res. Lett.*, *25*, 2605–2608, doi:10.1029/98GL00409.
- [54] Germany, G. A., G. K. Parks, H. Ranganath, R. Elsen, P. G. Richards, W. Swift, J. F. Spann, and M. Brittnacher (1998), Analysis of auroral morphology: Substorm precursor and onset on January 10, 1997, *Geophys. Res. Lett.*, *25*, 3043–3046, doi: 10.1029/98GL01220.

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- [55] Giacalone, J. (1998), Cosmic-Ray Transport Coefficients, *Space Sci. Rev.*, **83**, 351–363.
- [56] Gloeckler, G., J. Cain, F. M. Ipavich, E. O. Tums, P. Bedini, L. A. Fisk, T. H. Zurbuchen, P. Bochsler, J. Fischer, R. F. Wimmer-Schweingruber, J. Geiss, and R. Kallenbach (1998), Investigation of the composition of solar and interstellar matter using solar wind and pickup ion measurements with SWICS and SWIMS on the ACE spacecraft, *Space Sci. Rev.*, **86**, 497–539, doi:10.1023/A:1005036131689.
- [57] Goldman, M. V., D. L. Newman, and M. M. Oppenheim (1998), New Insights Into How Beam-Excited Instabilities Saturate, *Phys. Scripta*, **75**, 52–57, doi: 10.1238/Physica.Topical.075a00052.
- [58] Golenetskii, S. V., R. L. Aptekar, D. D. Frederiks, V. N. Il'inskii, E. P. Mazets, V. N. Panov, Z. J. Sokolova, and M. M. Terekhov (1998), Spectral measurements of cosmic gamma-ray bursts with the Konus-Wind and Konus-A instruments, in *Gamma-Ray Bursts, 4th Hunstville Symposium, American Institute of Physics Conference Series*, vol. 428, edited by C. A. Meegan, R. D. Preece, & T. M. Koshut, pp. 284–288, doi:10.1063/1.55336.
- [59] Gonzalez, W. D., A. L. Ch'ia de Gonzalez, A. Dal Lago, B. T. Tsurutani, J. K. Arballo, G. K. Lakhina, B. Buti, C. M. Ho, and S.-T. Wu (1998), Magnetic cloud field intensities and solar wind velocities, *Geophys. Res. Lett.*, **25**, 963–966, doi:10.1029/98GL00703.
- [60] Goodrich, C. C., J. G. Lyon, M. Wiltberger, R. E. Lopez, and K. Papadopoulos (1998), An overview of the impact of the January 10–11, 1997 magnetic cloud on the magnetosphere via global MHD simulation, *Geophys. Res. Lett.*, **25**, 2537–2540, doi:10.1029/98GL01159.
- [61] Gopalswamy, N., Y. Hanaoka, T. Kosugi, R. P. Lepping, J. T. Steinberg, S. Plunkett, R. A. Howard, B. J. Thompson, J. Gurman, G. Ho, N. Nitta, and H. S. Hudson (1998), On the relationship between coronal mass ejections and magnetic clouds, *Geophys. Res. Lett.*, **25**, 2485–2488, doi:10.1029/98GL50757.
- [62] Gopalswamy, N., M. L. Kaiser, R. P. Lepping, S. W. Kahler, K. Ogilvie, D. Berdichevsky, T. Kondo, T. Isobe, and M. Akioka (1998), Origin of coronal and interplanetary shocks - A new look with WIND spacecraft data, *J. Geophys. Res.*, **103**, 307–+, doi: 10.1029/97JA02634.
- [63] Graziani, C., D. Q. Lamb, and J. M. Quashnock (1998), Are the four gamma-ray bursts of 1996 October 27–29 due to repetition of a single source?, in *Gamma-Ray Bursts, 4th Hunstville Symposium, American Institute of Physics Conference Series*, vol. 428, edited by C. A. Meegan, R. D. Preece, & T. M. Koshut, pp. 161–165, doi:10.1063/1.55314.
- [64] Harris, M. J., B. J. Teegarden, T. L. Cline, N. Gehrels, D. M. Palmer, R. Ramaty, and H. Seifert (1998), Transient Gamma-Ray Spectrometer Measurements of the Positron Annihilation Spectrum from the Galactic Center, *Astrophys. J.*, **501**, L55+, doi:10.1086/311429.

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- [65] 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, doi:10.1063/1.1303168.
- [66] Hart, A. G., and T. K. Yeoman (1998), Observations of strong radar returns from the high latitude F-region using the cutlass radar, *Adv. Space Res.*, *22*, 1349–1352, doi: 10.1016/S0273-1177(98)00185-9.
- [67] Hashimoto, K., H. Matsumoto, T. Murata, M. L. Kaiser, and J.-L. Bougeret (1998), Comparison of AKR simultaneously observed by the GEOTAIL and WIND spacecraft, *Geophys. Res. Lett.*, *25*, 853–856, doi:10.1029/98GL00385.
- [68] Hirahara, M., J. L. Horwitz, T. E. Moore, G. A. Germany, J. F. Spann, W. K. Peterson, E. G. Shelley, M. O. Chandler, B. L. Giles, P. D. Craven, C. J. Pollock, D. A. Gurnett, J. S. Pickett, A. M. Persoon, J. D. Scudder, N. C. Maynard, F. S. Mozer, M. J. Brittnacher, and T. Nagai (1998), Relationship of topside ionospheric ion outflows to auroral forms and precipitation, plasma waves, and convection observed by Polar, *J. Geophys. Res.*, *1031*, 17,391–17,410, doi:10.1029/97JA02668.
- [69] Ho, G. C.-W. (1998), HELIUM-3 Enhancements and Unusual Ion Charge State Composition in Coronal Mass Ejections, Ph.D. thesis, UNIVERSITY OF MARYLAND COLLEGE PARK.
- [70] Hoang, S., M. Maksimovic, J.-L. Bougeret, M. J. Reiner, and M. L. Kaiser (1998), Wind-Ulysses source location of radio emissions associated with the January 1997 Coronal Mass Ejection, *Geophys. Res. Lett.*, *25*, 2497–2500, doi:10.1029/98GL00571.
- [71] Huang, C.-S., G. J. Sofko, K. A. McWilliams, W. A. Bristow, R. A. Greenwald, and M. C. Kelley (1998), SuperDARN observations of quasi-stationary mesoscale convection vortices in the dayside high-latitude ionosphere, *J. Geophys. Res.*, *1032*, 29,239–29,252, doi:10.1029/1998JA900020.
- [72] Huang, C. Y., W. J. Burke, M. S. Gussenhoven, D. A. Hardy, and L. C. Gentile (1998), Ionospheric response to magnetic forcing: magnetic cloud passage of October 18-20, 1995, *Geophys. Res. Lett.*, *25*, 2581–2584, doi:10.1029/98GL00468.
- [73] Ipavich, F. M., A. B. Galvin, S. E. Lasley, J. A. Paquette, S. Hefti, K.-U. Reiche, M. A. Coplan, G. Gloeckler, P. Bochsler, D. Hovestadt, H. Grünwaldt, M. Hilchenbach, F. Gliem, W. I. Axford, H. Balsiger, A. Bürgi, J. Geiss, K. C. Hsieh, R. Kallenbach, B. Klecker, M. A. Lee, G. G. Managadze, E. Marsch, E. Möbius, M. Neugebauer, M. Scholer, M. I. Verigin, B. Wilken, and P. Wurz (1998), Solar wind measurements with SOHO: The CELIAS/MTOF proton monitor, *J. Geophys. Res.*, *1031*, 17,205–17,214, doi:10.1029/97JA02770.
- [74] Janoo, L., C. J. Farrugia, R. B. Torbert, J. M. Quinn, A. Szabo, R. P. Lepping, K. W. Ogilvie, R. P. Lin, D. Larson, J. D. Scudder, V. A. Osherovich, and J. T. Steinberg (1998),

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- Field and flow perturbations in the October 18-19, 1995, magnetic cloud, *J. Geophys. Res.*, **103**, 17,249–17,260, doi:10.1029/97JA03173.
- [75] Janoo, L. X. (1998), Some observations of magnetic clouds and simulations of a normal fast shock interaction with an idealized magnetic cloud, Ph.D. thesis, UNIVERSITY OF NEW HAMPSHIRE.
- [76] Jones, G. O. L., L. Kersley, J. A. T. Heaton, L. Ciraolo, and P. Spalla (1998), Ionospheric electron content across the Antarctic continent, *Antarctic Science*, **10**, 493–501, doi:10.1017/S0954102098000595.
- [77] Jordan, C., G. A. Doschek, J. J. Drake, A. B. Galvin, and J. C. Raymond (1998), Coronal Abundances: What are They?, in *Cool Stars, Stellar Systems, and the Sun, Astronomical Society of the Pacific Conference Series*, vol. 154, edited by R. A. Donahue & J. A. Bookbinder, pp. 91–+.
- [78] Jordanova, V. K., C. J. Farrugia, J. M. Quinn, R. M. Thorne, K. W. Ogilvie, R. P. Lepping, G. Lu, A. J. Lazarus, M. F. Thomsen, and R. D. Belian (1998), Effect of wave-particle interactions on ring current evolution for January 10-11, 1997: Initial results, *Geophys. Res. Lett.*, **25**, 2971–2974, doi:10.1029/98GL00649.
- [79] Jordanova, V. K., C. J. Farrugia, L. Janoo, J. M. Quinn, R. B. Torbert, K. W. Ogilvie, R. P. Lepping, J. T. Steinberg, D. J. McComas, and R. D. Belian (1998), October 1995 magnetic cloud and accompanying storm activity: Ring current evolution, *J. Geophys. Res.*, **103**, 79–92, doi:10.1029/97JA02367.
- [80] Kaiser, M. L., M. J. Reiner, N. Gopalswamy, R. A. Howard, O. C. St. Cyr, B. J. Thompson, and J.-L. Bougeret (1998), Type II radio emissions in the frequency range from 1-14 MHz associated with the April 7, 1997 solar event, *Geophys. Res. Lett.*, **25**, 2501–2504, doi:10.1029/98GL00706.
- [81] Kallenbach, R., F. M. Ipavich, H. Kucharek, P. Bochsler, A. B. Galvin, J. Geiss, F. Gliem, G. Gloeckler, H. Grünwaldt, S. Hefti, M. Hilchenbach, and D. Hovestadt (1998), Fractionation of SI, NE, and MG Isotopes in the Solar Wind as Measured by Soho/Celias/MTOF, *Space Sci. Rev.*, **85**, 357–370, doi:10.1023/A:1005131424697.
- [82] Kallenbach, R., F. M. Ipavich, P. Bochsler, S. Hefti, P. Wurz, M. R. Aellig, A. B. Galvin, J. Geiss, F. Gliem, G. Gloeckler, H. Gruenwaldt, M. Hilchenbach, D. Hovestadt, and B. Klecker (1998), Isotopic Composition of Solar Wind Calcium: First In Situ Measurement by CELIAS/MTOF on Board SOHO, *Astrophys. J.*, **498**, L75+, doi:10.1086/311296.
- [83] Keppler, E. (1998), The acceleration of charged particles in corotating interaction regions (CIR) -a review with particular emphasis on the Ulysses mission., *Surveys in Geophys.*, **19**, 211–278, doi:10.1023/A:1006598605017.
- [84] Kestenbaum, D. (1998), ASTROPHYSICS: Distant Star's Radiation Jolts Earth's Atmosphere, *Science*, **282**, 24–+, doi:10.1126/science.282.5386.24a.

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- [85] Klecker, B., R. A. Mewaldt, J. W. Bieber, A. C. Cummings, L. Drury, J. Giacalone, J. R. Jokipii, F. C. Jones, M. B. Krainev, M. A. Lee, J. A. Le Roux, R. G. Marsden, F. B. McDonald, R. B. McKibben, C. D. Steenberg, M. G. Baring, D. C. Ellison, L. J. Lanzerotti, R. A. Leske, J. E. Mazur, H. Moraal, M. Oetlier, V. S. Ptuskin, R. S. Selesnick, and K. J. Trattner (1998), Anomalous Cosmic Rays, *Space Sci. Rev.*, **83**, 259–308.
- [86] Kouveliotou, C. (1998), A Review of GRB Counterpart Searches, in *The Hot Universe, IAU Symposium*, vol. 188, edited by K. Koyama, S. Kitamoto, & M. Itoh, pp. 167–+.
- [87] 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 (1998), A search for spectral lines in gamma-ray bursts using TGRS, in *Gamma-Ray Bursts, 4th Hunstville Symposium, American Institute of Physics Conference Series*, vol. 428, edited by C. A. Meegan, R. D. Preece, & T. M. Koshut, pp. 324–328, doi:10.1063/1.55430.
- [88] Kurth, W. S., T. Murata, G. Lu, D. A. Gurnett, and H. Matusmoto (1998), Auroral kilometric radiation and the auroral electrojet index for the January 1997 magnetic cloud event, *Geophys. Res. Lett.*, **25**, 3027–3030, doi:10.1029/98GL00404.
- [89] Kustov, A. V., W. B. Lyatsky, and G. J. Sofko (1998), Super Dual Auroral Radar Network observations of near-noon plasma convection at small interplanetary magnetic field  $B_z$  and  $B_y$ , *J. Geophys. Res.*, **103**, 4041–4050, doi:10.1029/97JA03457.
- [90] Lanzerotti, L. J., K. LaFleur, C. G. MacLennan, and D. W. Maurer (1998), Geosynchronous spacecraft charging in January 1997, *Geophys. Res. Lett.*, **25**, 2967–2970, doi:10.1029/98GL00987.
- [91] Lario, D., R. G. Marsden, T. R. Sanderson, M. Maksimovic, A. Balogh, R. J. Forsyth, R. P. Lin, and J. T. Gosling (1998), Ulysses and WIND particle observations of the November 1997 solar events, *Geophys. Res. Lett.*, **25**, 3469–3472, doi:10.1029/98GL52667.
- [92] Lauben, D. S., U. S. Inan, T. F. Bell, D. L. Kirchner, G. B. Hospodarsky, and J. S. Pickett (1998), VLF chorus emissions observed by POLAR during the January 10, 1997, magnetic cloud, *Geophys. Res. Lett.*, **25**, 2995–2998, doi:10.1029/98GL01425.
- [93] Lazarus, A. J., and K. I. Paularena (1998), A Comparison of Solar Wind Parameters from Experiments on the IMP 8 and Wind Spacecraft, in *Measurement Techniques in Space Plasmas – Particles*, edited by R. F. Pfaff, J. E. Borovsky, & D. T. Young, pp. 85–+.
- [94] Le, G., C. T. Russell, and J. G. Luhmann (1998), POLAR magnetic observations of the low-altitude magnetosphere during the January 1997 coronal mass ejection/magnetic cloud event, *Geophys. Res. Lett.*, **25**, 2533–2536, doi:10.1029/98GL00501.
- [95] Leamon, R. J., C. W. Smith, N. F. Ness, W. H. Matthaeus, and H. K. Wong (1998), Observational constraints on the dynamics of the interplanetary magnetic field dissipation range, *J. Geophys. Res.*, **103**, 4775–+, doi:10.1029/97JA03394.

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- [96] Leamon, R. J., C. W. Smith, and N. F. Ness (1998), Characteristics of magnetic fluctuations within coronal mass ejections: The January 1997 event, *Geophys. Res. Lett.*, **25**, 2505–2508, doi:10.1029/98GL00305.
- [97] Leblanc, Y., G. A. Dulk, and J.-L. Bougeret (1998), Tracing the Electron Density from the Corona to 1au, *Solar Phys.*, **183**, 165–180.
- [98] Lecacheux, A., M. Y. Boudjada, H. O. Rucker, J. L. Bougeret, R. Manning, and M. L. Kaiser (1998), Jovian decameter emissions observed by the Wind/WAVES radioastronomy experiment, *Astron. & Astrophys.*, **329**, 776–784.
- [99] Lester, M., E. C. Thomas, M. Pinnock, C. Senior, and C. J. Owen (1998), CUTLASS observations of convection in the CUSP region, *Adv. Space Res.*, **22**, 1297–1300, doi:10.1016/S0273-1177(98)00175-6.
- [100] Lewis, R. V., M. P. Freeman, and G. D. Reeves (1998), The relationship of HF radar backscatter to the accumulation of open magnetic flux prior to substorm onset, *J. Geophys. Res.*, **1032**, 26,613–26,620, doi:10.1029/98JA02434.
- [101] Lin, R. P. (1998), WIND Observations of Suprathermal Electrons in the Interplanetary Medium, *Space Sci. Rev.*, **86**, 61–78, doi:10.1023/A:1005048428480.
- [102] Lin, R. P., D. L. Mitchell, D. W. Curtis, K. A. Anderson, C. W. Carlson, J. McFadden, M. H. Acuna, L. L. Hood, and A. Binder (1998), Lunar Surface Magnetic Fields and Their Interaction with the Solar Wind: Results from Lunar Prospector, *Science*, **281**, 1480–+, doi:10.1126/science.281.5382.1480.
- [103] Lin, R. P., D. Larson, T. Phan, R. Ergun, J. McFadden, K. Anderson, C. Carlson, M. McCarthy, G. K. Parks, R. Skoug, R. Winglee, H. Rème, N. Lormant, J. M. Bosqued, C. D'Uston, T. R. Sanderson, and K.-P. Wenzel (1998), WIND Observations of Suprathermal Particles in the Solar Wind, in *Geospace Mass and Energy Flow*, edited by J. L. Horwitz, D. L. Gallagher, & W. K. Peterson, pp. 1–+.
- [104] Liou, K., P. T. Newell, C.-I. Meng, M. Brittnacher, and G. Parks (1998), Characteristics of the solar wind controlled auroral emissions, *J. Geophys. Res.*, **1031**, 17,543–17,558, doi:10.1029/98JA01388.
- [105] Lu, G., D. N. Baker, R. L. McPherron, C. J. Farrugia, D. Lummerzheim, J. M. Ruohoniemi, F. J. Rich, D. S. Evans, R. P. Lepping, M. Brittnacher, X. Li, R. Greenwald, G. Sofko, J. Villain, M. Lester, J. Thayer, T. Moretto, D. Milling, O. Troshichev, A. Zaitzev, V. Odintsov, G. Makarov, and K. Hayashi (1998), Global energy deposition during the January 1997 magnetic cloud event, *J. Geophys. Res.*, **1031**, 11,685–11,694, doi:10.1029/98JA00897.
- [106] Lui, A. T. Y., D. J. Williams, R. W. McEntire, S. Ohtani, L. J. Zanetti, W. A. Bristow, R. A. Greenwald, P. T. Newell, S. P. Christon, T. Mukai, K. Tsuruda, T. Yamamoto, S. Kokubun, H. Matsumoto, H. Kojima, T. Murata, D. H. Fairfield, R. P. Lepping, J. C. Samson, G. Rostoker, G. D. Reeves, A. L. Rodger, and H. J. Singer (1998), Multipoint

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- study of a substorm on February 9, 1995, *J. Geophys. Res.*, **1031**, 17,333–17,344, doi: 10.1029/97JA02632.
- [107] Lyon, J. G., R. E. Lopez, C. C. Goodrich, M. Wiltberger, and K. Papadopoulos (1998), Simulation of the March 9, 1995, substorm: Auroral brightening and the onset of lobe reconnection, *Geophys. Res. Lett.*, **25**, 3039–3042, doi:10.1029/98GL00662.
- [108] Maksimovic, M., J.-L. Bougeret, C. Perche, J. T. Steinberg, A. J. Lazarus, A. F. Viñas, and R. J. Fitzenreiter (1998), Solar wind density intercomparisons on the WIND spacecraft using WAVES and SWE experiments, *Geophys. Res. Lett.*, **25**, 1265–1268, doi: 10.1029/98GL00843.
- [109] Mall, U., E. Kirsch, K. Cierpka, B. Wilken, A. Söding, F. Neubauer, G. Gloeckler, and A. Galvin (1998), Direct observation of lunar pick-up ions near the Moon, *Geophys. Res. Lett.*, **25**, 3799–3802, doi:10.1029/1998GL900003.
- [110] Mall, U., H. Fichtner, E. Kirsch, D. C. Hamilton, and D. Rucinski (1998), Cassini as a heliospheric probe—the potential of pick-up ion measurements during its cruise phase, *Planet. Space Sci.*, **46**, 1375–1382, doi:10.1016/S0032-0633(97)00193-1.
- [111] Mason, G. M., R. E. Gold, S. M. Krimigis, J. E. Mazur, G. B. Andrews, K. A. Daley, J. R. Dwyer, K. F. Heuerman, T. L. James, M. J. Kennedy, T. Lefevere, H. Malcolm, B. Tossman, and P. H. Walpole (1998), The Ultra-Low-Energy Isotope Spectrometer (ULEIS) for the ACE spacecraft, *Space Sci. Rev.*, **86**, 409–448, doi:10.1023/A:1005079930780.
- [112] Massa, D. (1998), Hughes STX, CASP, 4400 Forbes Boulevard, Lanham, Maryland 20706. Report for the period 1 Oct 1996 - 30 Sep 1997., in *Bull. Amer. Astron. Soc., Bull. Amer. Astron. Soc.*, vol. 30, pp. 135–149.
- [113] Maynard, N. C., W. J. Burke, D. R. Weimer, F. S. Mozer, J. D. Scudder, C. T. Russell, W. K. Peterson, and R. P. Lepping (1998), Polar observations of convection with northward interplanetary magnetic field at dayside high latitudes, *J. Geophys. Res.*, **103**, 29–46, doi:10.1029/97JA02295.
- [114] Mazur, J. E., G. M. Mason, J. R. Dwyer, and T. T. von Rosenvinge (1998), Solar energetic particles inside magnetic clouds observed with the Wind spacecraft, *Geophys. Res. Lett.*, **25**, 2521–2524, doi:10.1029/98GL00410.
- [115] McEwen, D. J. (1998), Ionospheric dynamics in the central polar cap, *Adv. Space Res.*, **22**, 1327–1336, doi:10.1016/S0273-1177(98)00181-1.
- [116] Meyer-Vernet, N., and K. Issautier (1998), Electron temperature in the solar wind: Generic radial variation from kinetic collisionless models, *J. Geophys. Res.*, **1032**, 29,705–29,718, doi:10.1029/98JA02853.
- [117] Mitchell, C. N., I. K. Walker, S. E. Pryse, I. Kersley, I. W. McCrea, and T. B. Jones (1998), Letter to the Editor: First complementary observations by ionospheric tomography, the EISCAT Svalbard radar and the CUTLASS HF radar, *Ann. Geophys.*, **16**, 1519–1522, doi:10.1007/s00585-998-1519-2.

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- [118] Moreau, P. (1998), Jupiter's auroral decameter radioemissions., *Academie des Science Paris Comptes Rendus Serie B Sciences Physiques*, **326**, 927–931, doi:10.1016/S1251-8069(99)80050-7.
- [119] Mouillard, O., D. Burgess, and S. D. Bale (1998), Whistler waves observed during an in-situ solar type III radio burst, *Astron. & Astrophys.*, **335**, 703–708.
- [120] Neugebauer, M., R. J. Forsyth, A. B. Galvin, K. L. Harvey, J. T. Hoeksema, A. J. Lazarus, R. P. Lepping, J. A. Linker, Z. Mikic, J. T. Steinberg, R. von Steiger, Y.-M. Wang, and R. F. Wimmer-Schweingruber (1998), Spatial structure of the solar wind and comparisons with solar data and models, *J. Geophys. Res.*, **1031**, 14,587–14,600, doi:10.1029/98JA00798.
- [121] Nishida, A., T. Mukai, T. Yamamoto, S. Kokubun, and K. Maezawa (1998), A unified model of the magnetotail convection in geomagnetically quiet and active times, *J. Geophys. Res.*, **103**, 4409–4418, doi:10.1029/97JA01617.
- [122] Palmer, D. M., T. L. Cline, N. Gehrels, K. Hurley, P. Kurczynski, N. Madden, R. Pehl, R. Ramaty, H. Seifert, and B. J. Teegarden (1998), Spectra of GRB970228 from the transient gamma-ray spectrometer, in *Gamma-Ray Bursts, 4th Hunstville Symposium, American Institute of Physics Conference Series*, vol. 428, edited by C. A. Meegan, R. D. Preece, & T. M. Koshut, pp. 304–308, doi:10.1063/1.55339.
- [123] Papitashvili, V. O., C. R. Clauer, T. L. Killeen, B. A. Belov, S. A. Golyshev, and A. E. Levitin (1998), Linear modeling of ionospheric electrodynamics from the IMF and solar wind data: application for space weather forecast, *Adv. Space Res.*, **22**, 113–116, doi:10.1016/S0273-1177(97)01109-5.
- [124] Paularena, K. I., G. N. Zastenker, A. J. Lazarus, and P. A. Dalin (1998), Solar wind plasma correlations between IMP 8, INTERBALL-1, and WIND, *J. Geophys. Res.*, **1031**, 14,601–14,618, doi:10.1029/98JA00660.
- [125] Phan, T. D., G. Paschmann, A. Raj, V. Angelopoulos, D. Larson, and R. P. Lin (1998), Wind Observations of the Halo/Cold Plasma Sheet, in *Substorms-4, Astrophysics and Space Science Library*, vol. 238, edited by S. Kokubun & Y. Kamide, pp. 219–+.
- [126] Pick, M., D. Maia, A. Kerdraon, R. Howard, G. E. Brueckner, D. J. Michels, S. Paswaters, R. Schwenn, P. Lamy, A. Llebaria, G. Simnett, L. J. Lanzerotti, and H. Aurass (1998), Joint Nancay Radioheliograph and LASCO Observations of Coronal Mass Ejections - II. The 9 July 1996 Event, *Solar Phys.*, **181**, 455–468.
- [127] Prikryl, P., R. A. Greenwald, G. J. Sofko, J. P. Villain, C. W. S. Ziesolleck, and E. Friis-Christensen (1998), Solar-wind-driven pulsed magnetic reconnection at the dayside magnetopause, Pc5 compressional oscillations, and field line resonances, *J. Geophys. Res.*, **1031**, 17,307–17,322, doi:10.1029/97JA03595.
- [128] Provan, G., T. K. Yeoman, and S. E. Milan (1998), CUTLASS Finland radar observations of the ionospheric signatures of flux transfer events and the resulting plasma flows, *Ann. Geophys.*, **16**, 1411–1422, doi:10.1007/s00585-998-1411-0.

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- [129] Pryse, S. E., L. Kersley, M. J. Williams, and I. K. Walker (1998), The spatial structure of the dayside ionospheric trough, *Ann. Geophys.*, **16**, 1169–1179, doi:10.1007/s00585-998-1169-4.
- [130] Reames, D. V. (1998), Solar Energetic Particles: Sampling Coronal Abundances, *Space Sci. Rev.*, **85**, 327–340, doi:10.1023/A:1005123121972.
- [131] Reeves, G. D., R. H. W. Friedel, R. D. Belian, M. M. Meier, M. G. Henderson, T. Onsager, H. J. Singer, D. N. Baker, X. Li, and J. B. Blake (1998), The relativistic electron response at geosynchronous orbit during the January 1997 magnetic storm, *J. Geophys. Res.*, **103**, 17,559–17,570, doi:10.1029/97JA03236.
- [132] Reiner, M. J., J. Fainberg, M. L. Kaiser, and R. G. Stone (1998), Type III radio source located by Ulysses/Wind triangulation, *J. Geophys. Res.*, **103**, 1923–+, doi:10.1029/97JA02646.
- [133] Reiner, M. J., M. L. Kaiser, J. Fainberg, and R. G. Stone (1998), A new method for studying remote type II radio emissions from coronal mass ejection-driven shocks, *J. Geophys. Res.*, **103**, 29,651–29,664, doi:10.1029/98JA02614.
- [134] Richardson, J. D., and K. I. Paularena (1998), The orientation of plasma structure in the solar wind, *Geophys. Res. Lett.*, **25**, 2097–2100, doi:10.1029/98GL01520.
- [135] Ridley, A. J., G. Lu, C. R. Clauer, and V. O. Papitashvili (1998), A statistical study of the ionospheric convection response to changing interplanetary magnetic field conditions using the assimilative mapping of ionospheric electrodynamics technique, *J. Geophys. Res.*, **103**, 4023–4040, doi:10.1029/97JA03328.
- [136] Rodriguez, P., E. J. Kennedy, M. J. Keskinen, C. L. Siefring, S. Basu, M. McCarrick, J. Preston, M. Engebretson, M. L. Kaiser, M. D. Desch, K. Goetz, J.-L. Bougeret, and R. Manning (1998), The WIND-HAARP experiment: Initial results of high power radiowave interactions with space plasmas, *Geophys. Res. Lett.*, **25**, 257–260, doi:10.1029/98GL00037.
- [137] Ruohoniemi, J. M., and R. A. Greenwald (1998), The response of high-latitude convection to a sudden southward IMF turning, *Geophys. Res. Lett.*, **25**, 2913–2916, doi:10.1029/98GL02212.
- [138] Sanderson, T. R., R. P. Lin, D. Larson, M. P. McCarthy, G. K. Parks, J. M. Bosqued, N. Lormant, K. Ogilvie, R. P. Lepping, A. Szabo, A. J. Lazarus, J. Steinberg, and J. T. Hoeksema (1998), Wind observations of the influence of the Sun's magnetic field on the interplanetary medium at 1 AU, *J. Geophys. Res.*, **103**, 17,235–17,248, doi:10.1029/97JA02884.
- [139] Sandholt, P. E., C. J. Farrugia, J. Moen, and S. W. H. Cowley (1998), Dayside auroral configurations: Responses to southward and northward rotations of the interplanetary magnetic field, *J. Geophys. Res.*, **103**, 20,279–20,296, doi:10.1029/98JA01541.

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- [140] Sandholt, P. E., C. J. Farrugia, J. Moen, Ø. Noraberg, B. Lybekk, T. Sten, and T. Hansen (1998), A classification of dayside auroral forms and activities as a function of interplanetary magnetic field orientation, *J. Geophys. Res.*, **103**, 23,325–23,346, doi:10.1029/98JA02156.
- [141] Sandholt, P. E., C. J. Farrugia, and S. W. H. Cowley (1998), Pulsating cusp aurora for northward interplanetary magnetic field, *J. Geophys. Res.*, **103**, 26,507–26,520, doi: 10.1029/98JA02433.
- [142] Sandholt, P. E., C. J. Farrugia, J. Moen, S. W. H. Cowley, and B. Lybekk (1998), Dynamics of the aurora and associated convection currents during a cusp bifurcation event, *Geophys. Res. Lett.*, **25**, 4313–4316, doi:10.1029/1998GL900113.
- [143] Schmieder, B., L. van Driel, N. Mein, P. Mein, R. Willson, and A. Raoult (1998), X-ray jets in a reversed polarity region and interplanetary effects, in *Solar Jets and Coronal Plumes, ESA Special Publication*, vol. 421, edited by T.-D. Guyenne, pp. 157–+.
- [144] Seifert, H., T. L. Cline, D. M. Palmer, R. Ramaty, B. J. Teegarden, K. Hurley, N. W. Madden, and R. H. Pehl (1998), Spectroscopy of bright bursts with the transient gamma-ray spectrometer (TGRS), in *Gamma-Ray Bursts, 4th Huntsville Symposium, American Institute of Physics Conference Series*, vol. 428, edited by C. A. Meegan, R. D. Preece, & T. M. Koshut, pp. 339–343, doi:10.1063/1.55345.
- [145] Sheldon, R. B., H. E. Spence, and J. F. Fennell (1998), Observation of the 40 keV field-aligned ion beams, *Geophys. Res. Lett.*, **25**, 1617–1620, doi:10.1029/98GL01054.
- [146] Shue, J.-H., P. Song, C. T. Russell, J. T. Steinberg, J. K. Chao, G. Zastenker, O. L. Vaisberg, S. Kokubun, H. J. Singer, T. R. Detman, and H. Kawano (1998), Magnetopause location under extreme solar wind conditions, *J. Geophys. Res.*, **103**, 17,691–17,700, doi: 10.1029/98JA01103.
- [147] Sitar, R. J., J. B. Baker, C. R. Clauer, A. J. Ridley, J. A. Cumnock, V. O. Papitashvili, J. Spann, M. J. Brittnacher, and G. K. Parks (1998), Multi-instrument analysis of the ionospheric signatures of a hot flow anomaly occurring on July 24, 1996, *J. Geophys. Res.*, **103**, 23,357–23,372, doi:10.1029/98JA01916.
- [148] Smith, C. W., J. L'Heureux, N. F. Ness, M. H. Acuña, L. F. Burlaga, and J. Scheifele (1998), The ACE Magnetic Fields Experiment, *Space Sci. Rev.*, **86**, 613–632, doi: 10.1023/A:1005092216668.
- [149] Smith, D. M., R. P. Lin, J. McTiernan, and A. S. Slami-Sennou (1999), Astrophysics with HESSI, *Astrophys. Lett. Commun.*, **39**, 457–+.
- [150] Stepanov, V. A., Y. I. Galperin, A. K. Kuzmin, F. K. Shuiskaya, L. S. Gorn, B. A. Ilyin, M. V. Iovlev, A. A. Klimashov, I. I. Cherkashin, B. I. Khazanov, and A. Y. Safronov (1998), Upward high-energy field-aligned electron beams above the polar edge of auroral oval: observations from the SKA-3 instruments onboard the Auroral Probe (Interball-2), *Ann. Geophys.*, **16**, 1046–1055, doi:10.1007/s00585-998-1046-1.

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- [151] Stone, E. C., A. M. Frandsen, R. A. Mewaldt, E. R. Christian, D. Margolies, J. F. Ormes, and F. Snow (1998), The Advanced Composition Explorer, *Space Sci. Rev.*, **86**, 1–22, doi: 10.1023/A:1005082526237.
- [152] Takeuchi, T., T. Araki, R. P. Lepping, T. Yamamoto, S. Kokubun, T. Nagai, and T. Iyemori (1998), A magnetic cloud with unusual structure and corresponding bow shock movement observed on May 13, 1995, *Geophys. Res. Lett.*, **25**, 3269–3272, doi: 10.1029/98GL02560.
- [153] Taylor, J. R., S. W. H. Cowley, T. K. Yeoman, M. Lester, T. B. Jones, R. A. Greenwald, G. Sofko, J.-P. Villain, R. P. Lepping, and M. R. Hairston (1998), SuperDARN studies of the ionospheric convection response to a northward turning of the interplanetary magnetic field, *Ann. Geophys.*, **16**, 549–565, doi:10.1007/s00585-998-0549-0.
- [154] Taylor, J. R., M. Lester, T. K. Yeoman, R. Greenwald, G. Sofko, and J.-P. Villain (1998), Ionospheric convection response to a northward turning of the interplanetary magnetic field on March 23, 1995 studied employing superdarn HF radar data, *Adv. Space Res.*, **22**, 1289–1292, doi:10.1016/S0273-1177(98)00173-2.
- [155] Teegarden, B. J. (1998), Spectroscopy of gamma-ray bursts: an overview, *Adv. Space Res.*, **22**, 1083–1092, doi:10.1016/S0273-1177(98)00199-9.
- [156] Terekhov, M. M., R. L. Aptekar, D. D. Frederiks, S. V. Golenetskii, V. N. Il'inskii, and E. P. Mazets (1998), The Konus-Wind and Konus-A instrument response functions and the spectral deconvolution procedure, in *Gamma-Ray Bursts, 4th Hunstville Symposium, American Institute of Physics Conference Series*, vol. 428, edited by C. A. Meegan, R. D. Preece, & T. M. Koshut, pp. 894–898, doi:10.1063/1.55416.
- [157] Thomsen, M. F., J. E. Borovsky, D. J. McComas, and M. R. Collier (1998), Variability of the ring current source population, *Geophys. Res. Lett.*, **25**, 3481–3484, doi: 10.1029/98GL02633.
- [158] Tsyganenko, N. A., S. B. P. Karlsson, S. Kokubun, T. Yamamoto, A. J. Lazarus, K. W. Ogilvie, C. T. Russell, and J. A. Slavin (1998), Global configuration of the magnetotail current sheet as derived from Geotail, Wind, IMP 8 and ISEE 1/2 data, *J. Geophys. Res.*, **103**, 6827–6842, doi:10.1029/97JA03621.
- [159] Turner, N. E., D. N. Baker, T. I. Pulkkinen, H. J. Singer, F. Mozer, and R. P. Lepping (1998), High-altitude polar cap electric field responses to southward turnings of the interplanetary magnetic field, *J. Geophys. Res.*, **103**, 26,533–26,546, doi:10.1029/98JA01743.
- [160] von Steiger, R. (1998), Composition Aspects of the Upper Solar Atmosphere Rapporteur Paper III, *Space Sci. Rev.*, **85**, 407–418, doi:10.1023/A:1005112314219.
- [161] Walker, A. D. M., M. Pinnock, K. B. Baker, J. R. Dudeney, and J. P. S. Rash (1998), Strong flow bursts in the nightside ionosphere during extremely quiet solar wind conditions, *Geophys. Res. Lett.*, **25**, 881–884, doi:10.1029/98GL00408.

**List of Refereed Publications**  
**Wind Spacecraft: 1998**

- [162] Watari, S., and T. Watanabe (1998), The solar drivers of geomagnetic disturbances during solar minimum, *Geophys. Res. Lett.*, *25*, 2489–2492, doi:10.1029/98GL01085.
- [163] Webb, D. F. (1998), CMEs and Prominences and Their Evolution over the Solar Cycle (Review), in *IAU Colloq. 167: New Perspectives on Solar Prominences, Astronomical Society of the Pacific Conference Series*, vol. 150, edited by D. F. Webb, B. Schmieder, & D. M. Rust, pp. 463–+.
- [164] Webb, D. F., E. W. Cliver, N. Gopalswamy, H. S. Hudson, and O. C. St. Cyr (1998), The solar origin of the January 1997 coronal mass ejection, magnetic cloud and geomagnetic storm, *Geophys. Res. Lett.*, *25*, 2469–2472, doi:10.1029/98GL00493.
- [165] Whang, Y. C., J. Zhou, R. P. Lepping, A. Szabo, D. Fairfield, S. Kokubun, K. W. Ogilvie, and R. Fitzenreiter (1998), Double discontinuity: A compound structure of slow shock and rotational discontinuity, *J. Geophys. Res.*, *103*, 6513–6520, doi:10.1029/97JA03681.
- [166] Whang, Y. C., D. Larson, R. P. Lin, R. P. Lepping, and A. Szabo (1998), Plasma and magnetic field structure of a slow shock: Wind observations in interplanetary space, *Geophys. Res. Lett.*, *25*, 2625–2628, doi:10.1029/98GL02043.
- [167] Wimmer-Schweingruber, R. F., P. Bochsler, O. Kern, G. Gloeckler, and D. C. Hamilton (1998), First determination of the silicon isotopic composition of the solar wind: WIND/MASS results, *J. Geophys. Res.*, *103*, 20,621–20,630, doi:10.1029/98JA01790.
- [168] Wurz, P., F. M. Ipavich, A. B. Galvin, P. Bochsler, M. R. Aellig, R. Kallenbach, D. Hovestadt, H. Grünwaldt, M. Hilchenbach, W. I. Axford, H. Balsiger, A. Bürgi, M. A. Coplan, J. Geiss, F. Gliem, G. Gloeckler, S. Hefti, K. C. Hsieh, B. Klecker, M. A. Lee, G. G. Managadze, E. Marsch, E. Möbius, M. Neugebauer, K.-U. Reiche, M. Scholer, M. I. Verigin, and B. Wilken (1998), Elemental composition of the January 6, 1997, CME, *Geophys. Res. Lett.*, *25*, 2557–2560, doi:10.1029/98GL50478.
- [169] Yin, L., M. Ashour-Abdalla, J. M. Bosqued, M. El-Alaoui, and J. L. Bougeret (1998), Plasma waves in the Earth's electron foreshock: 1. Time-of-flight electron distributions in a generalized Lorentzian plasma and dispersion solutions, *J. Geophys. Res.*, *103*, 29,595–29,618, doi:10.1029/98JA02294.
- [170] Yin, L., M. Ashour-Abdalla, M. El-Alaoui, J. M. Bosqued, and J. L. Bougeret (1998), Plasma waves in the Earth's electron foreshock: 2. Simulations using time-of-flight electron distributions in a generalized Lorentzian plasma, *J. Geophys. Res.*, *103*, 29,619–29,632, doi:10.1029/98JA02293.
- [171] Zelenyi, L. M., and J.-A. Sauvage (1998), Special Topic: Interball-2: first scientific results, *Ann. Geophys.*, *16*, 1043–1045, doi:10.1007/s00585-998-1043-4.