

August 23, 2006

CURRICULUM VITAE

Raymond J. Walker

PERSONAL INFORMATION

Address: 11053 Tennessee Ave.
Los Angeles, California 90064

Birthdate: October 26, 1942

EDUCATION

San Diego State University	B.A., Physics San Diego, California	1964
University of California	M.S., Space Physics Los Angeles, California	1969
University of California	Ph.D., Space Physics Los Angeles, California	1973

PROFESSIONAL EMPLOYMENT

7/99 to present	Professor in Residence, Dept. of Earth and Space Sciences Institute of Geophysics and Planetary Physics University of California Los Angeles, California
7/84 to present	Research Geophysicist Institute of Geophysics and Planetary Physics University of California Los Angeles, California
7/80 to 7/84	Associate Research Geophysicist Institute of Geophysics and Planetary Physics University of California Los Angeles, California
9/77 to 7/80	Assistant Research Geophysicist

	Institute of Geophysics and Planetary Physics University of California Los Angeles, California
10/73 to 9/77	Post Graduate Research Associate School of Physics and Astronomy University of Minnesota Minneapolis, Minnesota
9/67 to 10/73	Graduate Research Geophysicist Institute of Geophysics and Planetary Physics University of California Los Angeles, California
9/64 to 9/67	Graduate Research Physicist Department of Physics University of California San Diego, California

VISITING POSITIONS

1995	Visiting Professor - Max Planck Institute Berlin
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AWARDS

Edward A Flinn III Award, American Geophysical Union, 1996

CONSULTING

Jet Propulsion Laboratory, Pasadena, California (1980-1981) (1982-1984)
Universities Space Research Association (1985)(1999-2001)
Caelum Corporation/Lockheed Martin (1997)
Liberated Staffing/Lockheed Martin (2002)

SERVICE TO THE SCIENTIFIC COMMUNITY

Referee for:	Journal of Geophysical Research Planetary and Space Science Geophysical Research Letters Physics of Fluids Geophysical Monograph Series Advances in Space Research Annales Geophysicae Science Earth, Planets and Space (Former Journal of Geomagnetism and Geoelectricity)
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Member, Editorial Board of Quantitative Modeling of Magnetospheric Processes, Geophysics Monograph Series, (21), 1979.

Proposal reviewer for the National Science Foundation, California Space Institute, National Aeronautics and Space Administration, and National Sciences and Engineering Research Council of Canada.

Associate Chair, Working Group III-3, Quantitative Magnetospheric Models, International Association of Geomagnetism and Aeronomy, 1988-1989.

Associate Editor, Journal of Geophysical Research (Space Physics), 1989-1992.

Convenor, MHD Modeling and Kinetic Simulations as Tools of Heliospheric Physics, XX IUGG Assembly, Vienna, Austria, 1991.

Co-Convenor, Information in Geomagnetism and Solar-Terrestrial Physics, XX IUGG Assembly, Vienna, Austria, 1991.

Project Scientist, The NASA Planetary Data System, 1992 - 1996.

Meeting Chair, Community Workshop on Space Physics Data System, Houston, 1993.

Convenor, Magnetospheric Models, Their Uses and Quantitative Tests, 7th Scientific Assembly of IAGA, Buenos Aires, Argentina, 1993.

Program Committee, The 3D Magnetosphere, COSPAR, Hamburg, Germany, 1994.

Co-Convenor, Large-Scale Electrodynamics in the Coupled Magnetosphere-Ionosphere-Thermosphere System, XXI General Assembly of IUGG, Boulder, CO., 1995.

Program Committee, Chapman Conference on Magnetospheric Current Systems, 1998.

Co-Editor, Outer Planets Volume of Advances in Space Research, 1998-1999.

Co-Convenor, Outer Planets Magnetospheres, IAGA, Toulouse, France, 2005.

SERVICE TO UNIVERSITY OF CALIFORNIA

Doctoral Committees:

Jonathon A. Linker
 Miguel A. Moreno
 Harlan E. Spence
 Xiao Ming Zhu
 Vassilis Angelopoulos
 Ming Cao
 C.M. Hammond
 S.-H. Chen
 D. Xu
 Y. Yi (University of Colorado)
 T.-S. Hsu
 Irina Ruvinsky (Tel Aviv University)
 Tamitha Mulligan

Zhenjiang Yu

Master's Degree Committee:

Steven P. Joy

Chancellor's Advisory Committee of Non-Senate Academic Appointees (1987-1988).

Space Science Seminar, Department of Earth and Space Sciences, Winter 1987 (in charge).

Institute of Geophysics and Planetary Physics Merit Increase Committee, 1987-1988.

Lecturer, The Rubey Colloquium, 1990.

Chair, IGPP Seminar Committee (1992-1993).

IGPP Committee on Non-Senate Academics (1992-1993).

Chair, IGPP Committee on Non-Senate Academics (1993-1996).

Secretary, IGPP Space Science Center (1994-Present).

Representative at Large, IGPP Steering Committee (1993).

IGPP Education and Fellowship Committee (1999-2000)

Chair, IGPP Information Technology Committee (2000-2004)

Chair, ESS Rubey Fellowship Committee, (2000)

ESS Awards Committee (2000-2004)

ESS Researchers Committee (2000-2001)

COMMITTEES

Member, Organizing Committee for Workshop on Space Plasma Physics, Los Alamos National Laboratory, Los Alamos, New Mexico, 1980.

Member, Committee on Data Management and Computation, Space Science Board, National Research Council, 1981-1986.

Chair, Nonimaging Computer Hardware Splinter Group, NASA Planetary Science Analysis and Support System Workshop, Goddard Space Flight Center, Greenbelt, MD, 1983-1984.

Member, Steering Committee for NSSDC Online Catalog System, 1984-1987.

Member, Committee on Geophysical Data, Commission on Physical Sciences, Mathematics and Resources, National Research Council, 1984-1987.

- Member, Space Station Radiation Committee, NASA Headquarters, 1986.
- Member, Committee on NASA Information Systems, Board of Telecommunications and Computer Applications, Commission on Engineering and Technical Systems, National Research Council, 1986.
- Member, Committee on Directories, Catalogs and Browse Files of the Earth Science Data Workshop, NASA Earth Sciences and Applications Division, 1986-1987.
- Member, Program Committee, Workshop on Analog Magnetospheric Plasma Simulation in Low Earth Orbit, Using Space Plasma Laboratory Diagnostics, Huntsville, AL, 1987.
- Chair, NASA Advisory Committee on Catalog Interoperability, 1987-1994.
- Member, NASA Planetary Data System Study Team, 1987.
- Member, NASA Data System Lexicon Working Group, 1987-1989
- Member, Jet Propulsion Laboratory Review Board For Planetary Data System, 1988, 1989.
- Member, Advisory Committee for the NASA/Infrared Processing and Analysis Center Extragalactic Database Project, 1989-1994.
- Member, NASA Information Systems Strategic Plan Committee on Supercomputing, 1989.
- Chair, Committee on Information Technology, American Geophysical Union, 1989-1992.
- Member, NASA Information Systems Strategic Plan Workshop, Annapolis, Maryland, May 1989.
- Member, Program Committee, Workshop on Magnetosphere/Ionosphere Plasma Models, Huntsville, Alabama, 1989.
- Member, NASA Space Physics Strategy Implementation Study, 1990.
- Member, Committee on Solar and Space Physics, Space Studies Board, National Research Council, 1990-1993.
- Member, Space Physics Data System Planning Committee, NASA 1991 - 1992.
- Member, Program Committee for Earth and Space Sciences Information Systems, International Space Year, 1992.
- Chair, Data Access Subcommittee, National Geomagnetic Initiative Workshop, National Research Council, 1992.
- Chair, Space Physics Data System, Steering Committee, NASA, 1992 - 1993.

Member, Science Definition Team for Space Physics Objectives for the Pluto Fast Flyby Mission, NASA, 1993.

Member, Space Physics Data System Steering Committee, 1994-1998.

Member, Visiting Committee, Laboratory for Atmospheric and Space Physics, University of Colorado, 1998., 2003.

Member, NASA Discovery Program Downselect Committee, 1999.

Member, Advisory Committee for the Consolidated Space Operations Contract, Universities Space Research Association, 1999-2001.

Chair, Solar System Exploration Subcommittee, NASA 70M Antenna Workshop, 2001.

Member, NASA Sun-Earth Connection Advisory Subcommittee, 2000-present.

Member, NASA Sun-Earth Connections Senior Review Committee, 2001.

Member, Mars Odyssey Red Team, 2001.

Member, Sun-Earth Connection Advisory Group to the Nation Space Science Data Center, 2001.

Chair, Management Working Group on Sun-Earth Connections Data Systems, NASA , 2002-present.

GSFC IS&T Visiting Committee, 2003-2007.

NASA Living with a Star Steering Committee, 2005-2006

Chair, NASA Community Coordinated Modeling Center, Steering Committee, 2005-

Member, Heliophysics Subcommittee of the NASA Advisory Committee, 2006-2008.

MEMBERSHIP IN SCHOLARLY SOCIETIES

American Geophysical Union
 American Association for the Advancement of Science
 Division of Planetary Science of the American Astronomical Society

RESEARCH GRANTS AND CONTRACTS

Co-Investigator, "Solar Wind and Other Sources of the Atmosphere of Mercury."
 Principal Investigator: B.E. Goldstein (sponsor NASA, 1980-1981).

Co-Investigator, "Structure and Dynamics of Earth's Magnetosphere and Associated Phenomena," Principal Investigator: M. Ashour-Abdalla (Sponsor: NASA, 1981-1994).

Co-Investigator, "Development of Theoretical Technology for the OPEN Mission."
 Principal Investigator: M. Ashour-Abdalla (sponsor NASA, 1981-2000).

- Principal Investigator, "Studies of the Jovian Magnetopause and Boundary Layer." (sponsor NASA, 1981-1986).
- Co-Investigator, "Acceleration Processes in the Earth's Magnetosphere." Principal Investigator: M. Ashour-Abdalla (sponsor Air Force Geophysics Laboratory, 1981-1985).
- Co-Investigator, "Quantitative Studies of the Magnetospheres of Jupiter and Saturn, and the Distant Solar Wind," Principal Investigator: P.J. Coleman, Jr. (sponsor NASA, 1982-1987).
- Principal Investigator, "A Cataloguing Scheme for the Magneto-spheric Physics Node of the Planetary Pilot Data System." (sponsor Johns Hopkins University, Applied Physics Laboratory, 1984-1986).
- Co-Investigator, "An Investigation of the Magnetic Fields of Jupiter using the Jupiter Orbiter." Principal Investigator: M.G. Kivelson (sponsor NASA, 1984-present).
- Co-Principal Investigator, "An MHD Simulation of Io's Interaction with the Plasma Torus." Co-Principal Investigators: M. Kivelson, D. Winske, and J. Borovsky (sponsor IGPP, Los Alamos National Laboratory, 1985-1986).
- Co-Investigator, "Proposal for a Computational and Communications System for UCLA Space Plasma Physics." Principal Investigator: M. Ashour-Abdalla (sponsor NSF, 1986).
- Principal Investigator, "Development of a Particles and Fields Node for the Planetary Data System (PDS)." (sponsor NASA, 1986-1989).
- Co-Principal Investigator, "A Plume Driven Atmosphere of Io," Co-Principal Investigators: M.G. Kivelson, and J. Baumgardner (sponsor IGPP, Los Alamos National Laboratory, 1987-1988)
- Principal Investigator, "A Magnetotail Model of Uranus and an Investigation of Spacecraft Charging," (sponsor NASA, 1987-1990)
- Co-Investigator, "Studies of Particles and Fields in Space." Principal Investigator: P.J. Coleman, Jr. (sponsor NASA, 1987-1988).
- Co-Investigator, Studies of Geomagnetic Substorms," Principal Investigator: P.J. Coleman, Jr. (Sponsor: NASA, 1988-1989).
- Principal Investigator, The Development and Operation of a Planetary Plasma Interactions Node for the Planetary Data System, (sponsor NASA - 1990-present)
- Principal Investigator, Studies of Flows in the Magnetotail, (sponsor NASA 1991-1995).
- Co-Investigator, Studies of Plasma Flow Past Jupiter's Satellite Io, Principal Investigator: J.A. Linker, (sponsor NASA 1991-present)

Principal Investigator, Space Physics Data System Workshop, (sponsor Southwest Research Institute, 1993)

Co-Investigator, the Effect of IMF B_y , on the Earth's Magnetotail Configuration, Convection and Reconnection, (sponsor NASA, 1993-1996)

Principal Investigator, The source of the Low Latitude Boundary Layer, (sponsor Air Force Office of Scientific Research 1994-1998)

Principal Investigator, Simulating Jupiter's Magnetosphere, (sponsor NASA, 1999-2001)

Co-Principal Investigator, Lectures Using Common Internet Devices (LUCID), (sponsor National Science Foundation, 2000-2001) with R.L. McPherron.

Principal Investigator, Magnetohydrodynamic Modeling of the Jovian Magnetosphere, (sponsor NASA, 2001-2003)

Principal Investigator, Dynamics of the Near-Earth Magnetotail, (sponsor NASA, 2003-2005)

Co-Investigator, Space Physics Archive Search and Extract (SPASE), (sponsor NASA GSFC 2004-2006)

Principal Investigator, Modeling Ganymede's Magnetosphere, (sponsor NASA, 2005-2007)

Principal Investigator, VMO for S3C Data: A Virtual Magnetospheric Observatory, (sponsor NASA, 2006-2009)

INVITED PAPERS PRESENTED AT SCIENTIFIC MEETINGS (*Presented by R.J. Walker)

1. *Walker, R.J., An evaluation of recent magnetospheric models, Eos Trans. AGU, 56, 615, 1975. Presented at Chapman Conference on Magnetospheric Modeling, La Jolla, CA, 1975.
2. *Walker, R.J., An evaluation of recent quantitative magnetospheric models, Eos Trans. AGU, 57, 307, 1976. Presented at Spring AGU Meeting, 1976.
3. *Walker, R.J., K.N. Erickson, R.L. Swanson, and J.R. Winckler, Energetic particle flux changes at synchronous orbit and the temporal morphology of substorms, Eos Trans. AGU, 58, 1212, 1977. Presented at Fall AGU Meeting, 1977.
4. *Walker, R.J., Quantitative modeling of planetary magnetospheric magnetic fields. Presented at Chapman Conference on the Quantitative Modeling of Magnetospheric Processes, La Jolla, California, 1978.
5. *Walker, R.J., and M.G. Kivelson, Plasma properties in the Jovian equatorial current sheet inferred from Pioneer 10 and 11 observations, Eos Trans. AGU, 60, 353, 1979. Presented at Spring AGU Meeting, 1979.
6. *Walker, R.J., The interaction of Jovian plasma with Io. Presented at NASA Planetary Atmospheres Principal Investigators Conference, Boulder, Colorado, 1979.
7. *Walker, R.J., Quantitative modeling of planetary magnetospheric magnetic fields, IAGA Bull., 43, 255, 1979. Presented at XVII IUGG General Assembly, Canberra, Australia, 1979.
8. *Walker, R.J., Global MHD models of the interaction between the solar wind and the magnetosphere, IAGA Bull., 45, 450, 1981. Presented at the Fourth IAGA Scientific Assembly, Edinburgh, Scotland, 1981.
9. *Walker, R.J. ULF fluctuations in the Jovian and Saturnian magnetospheres, IAGA Bull., 45, 435, 1981. Presented at the Fourth IAGA Scientific Assembly, Edinburgh, Scotland, 1981.
10. Ashour-Abdalla, M., P.J. Coleman, Jr., J.M. Dawson, C.F. Kennel, J.N. Leboeuf, and R.J. Walker, Space plasma theory and simulation at UCLA, Eos Trans. AGU, 62, 1016, 1981. Presented by M. Ashour-Abdalla at the Fall AGU Meeting, San Francisco, 1981.
11. *Walker, R.J., Modeling planetary magnetospheres: The magnetotail and reconnection, Abstract Volume. Presented at the First International School for Space Simulations, Kyoto, Japan, 1982.
12. *Walker, R.J., Modeling the magnetotail and reconnection, IAGA Bull., 48, A11, 1983. Presented at the XVIII IUGG General Assembly, Hamburg, Germany, 1983.
13. *Walker, R.J., Discipline data management, Programme and Abstracts, 1, 249, 1983. Presented at the XVIII IUGG General Assembly, Hamburg, Germany, 1983.
14. *Walker, R.J., Externally driven magnetic reconnection, Program and Abstracts, Section F. Presented at the AGU Chapman Conference on Magnetic Reconnection, Los Alamos, New Mexico, 1983.
15. Kivelson, M.G., J.A. Linker, M.A. Moreno, and R.J. Walker, Io's hot plasma torus: Consequences for sputtering sources. Presented by M.G. Kivelson at COSPAR, Graz, Austria, 1984.
16. *Walker, R.J., and T. Ogino, A magnetohydrodynamic simulation of the magnetosphere when the interplanetary magnetic field is northward, IAGA Bull., 265, 1985. Presented at the 5th IAGA Scientific Assembly, Prague, Czechoslovakia, 1985.
17. *Walker, R.J., and T. Ogino, Field aligned currents and magnetospheric convection: A comparison between MHD simulations and observations, Abstract

- Volume, 5, Presented at the First Huntsville Workshop on Magnetosphere Ionosphere Plasma Models, Huntsville, Alabama, 1986.
18. *Walker, R.J., T. Ogino, and M. Ashour-Abdalla, Modeling the solar wind, magnetosphere and ionosphere system, Abstract Volume, IW-1, Presented at the 1987 Cambridge Workshops in Theoretical Geoplasma Physics, MIT, Cambridge, MA, 1987
 19. *Walker, R.J., T. Ogino, and J.A. Linker, Simulating the magnetosphere, IUGG Abstracts, 2, 691, 1987. Presented at XIX General Assembly of IUGG, Vancouver, Canada, 1987.
 20. *Walker, R.J., T. Ogino, and M. Ashour-Abdalla, A global magnetohydrodynamic model of a magnetospheric substorm, Program and Abstracts. Presented at Workshop on Magnetosphere-Ionosphere Coupling and Substorms, Fairbanks, AK, 1987.
 21. *Walker, R.J., T. Ogino, and M. Ashour-Abdalla, Simulating the magnetosphere, Abstract Volume, Presented at Yosemite 88, Outstanding Problems in Solar System Plasma Physics Theory and Instrumentation, Yosemite, CA, 1988.
 22. Ashour-Abdalla, M., H. Karimabadi, N. Omide, P.L. Pritchett, D. Schriver, R. Sydora, R.J. Walker, T. Ogino, and H. Okuda, The structure and dynamics of the earth's magnetosphere and associated phenomena, EOS Trans. AGU, 69, 16, 423, 1988. Presented at Spring AGU meeting, Baltimore, MD, 1988.
 23. *Walker, R.J., Simulating the magnetosphere: The generation of magnetic flux tubes on the dayside magnetopause, Presented at NATO Workshop on the electromagnetic coupling between the solar wind and the polar cusps and cap, Lillehammer, Norway, 1988.
 24. Ogino, T., R.J. Walker, and M. Ashour-Abdalla, Magnetic flux ropes in 3-Dimensional MHD simulations, Extended Abstract Volume, 161, AGU Chapman Conference on: Physics of Magnetic Flux Ropes, Hamilton, Bermuda, 1989.
 25. *King, T.A., R.J. Walker, N.E. Cline, and R.L. McPherron, Time series data analysis using a data flow model, IAGA Bull., 53, 451, 1989. Presented at the 6th Scientific Assembly of the International Association of Geomagnetism and Aeronomy, Exeter, UK, 1989.
 26. *Walker, R.J., J.A. Linker, and T. Ogino, Global magnetohydrodynamic simulations of planetary magnetospheres, IAGA Bull., 53, 378, 1989. Presented at the 6th Scientific Assembly of the International Association of Geomagnetism and Aeronomy, Exeter, UK, 1989.
 27. Ogino, T., R.J. Walker and M. Ashour-Abdalla, Three-dimensional global MHD simulations of the earth's magnetosphere, IAGA Bull., 53, 413, 1989. Presented at the International Association of Geomagnetism and Aeronomy, Exeter, UK, 1989.
 28. *Walker, R.J., T. Ogino, and M. Ashour-Abdalla, Simulating the configuration and dynamics of the earth's magnetosphere, Presented at Modeling in Solar Terrestrial Physics, The 1990 Gordon Research Conference, Plymouth State College, Plymouth, New Hampshire, 1990.
 29. Ogino, T., R.J. Walker, and M. Ashour-Abdalla, Global magnetohydrodynamic simulation of the solar wind and magnetosphere interaction, EOS Trans. AGU, 71, 28, 913, 1990. Presented at the Western Pacific Geophysics Meeting, Kanazawa, Japan, 1990.
 30. *Walker, R.J., Mapping the boundary to the dayside ionosphere, EOS Trans. AGU, 71(43), 1542, 1990. Presented at the Fall AGU meeting, San Francisco, 1990.
 31. *Walker, R.J., Space physics data requirements. Presented at the Space and Earth Science Data Compression Workshop of the IEEE Data Compression Conference, Snowbird, Utah, 1991.

32. *Walker, R.J., An overview of quantitative magnetospheric models, (Abstract) Program and Abstracts XX General Assembly IUGG, 370, Presented at IUGG, Vienna, Austria, 1991.
33. Ogino, T., R.J. Walker, and M. Ashour-Abdalla, Globe MHD simulation of the solar wind-magnetosphere interaction during northward IMF, (Abstract) Program and Abstracts XX General Assembly IUGG, 454, Presented at IUGG, Vienna, Austria, 1991.
34. Linker, J.A., M.G. Kivelson and R.J. Walker, Io's interaction with the plasma torus: A simulation approach, (Abstract) Program and Abstracts XX General Assembly IUGG, 527, Presented at IUGG, Vienna, Austria, 1991.
35. *Walker, R.J., Operating a distributed data system: The planetary data system experience, (Abstract) Program and Abstracts XX General Assembly IUGG, 501, Presented at IUGG, Vienna, Austria, 1991.
36. *Walker, R.J., Modeling the magnetosphere, presented at the National Geomagnetic Initiative Workshop, Washington, D.C., March, 1992.
37. *Walker, R.J., Global magnetohydrodynamic simulations of the magnetotail, presented at the GEM Workshop, Snowmass, CO., July, 1992.
38. Kivelson, M.G., R.J. Walker, and J.A. Linker, Io as a source of magnetospheric plasma, (Abstract), Book of abstracts, The World Space Congress, 466, 1992, presented at COSPAR, Washington D.C., Sept., 1992.
39. *Walker, R.J., T. Ogino, and M. Ashour-Abdalla, Simulating magnetospheric convection (Abstract) OT2 3rd Huntsville Workshop on Magnetosphere/Ionosphere Plasma Models, Huntsville, Alabama, October, 1992.
40. Kivelson, M.G., L.F. Bargatze, K.K. Khurana, D.J. Southwood, R.J. Walker, P.J. Coleman and R.P. Lepping, Recent results from Galileo magnetometer investigations, EOS Trans. AGU, 74(16), 199, 1993. Presented at the Spring AGU meeting, Baltimore, May, 1993.
41. Richard, R.L., R.J. Walker, and M. Ashour-Abdalla, The formation of the low latitude boundary layer by dayside ion entry, 1993 GEM Workshop, Snowmass, CO, June, 1993.
42. Kivelson, M.G., J.A. Linker, and R.J. Walker, Thermal effects of ion pickup near Io, IAGA Bulletin, 55, 340, 1993. Presented at the Scientific Assembly of IAGA, Buenos Aires, Argentina, August, 1993.
43. Kivelson, M.G., K.K. Khurana, C.T. Russell, D.J. Southwood, R.J. Walker, and Z. Wang, Ida Flyby: First results from the Galileo magnetometer, EOS Trans. AGU, 74, 43, 384, 1993. Presented at the Fall AGU meeting, San Francisco, December, 1993.
44. King, T.A., S.P. Joy, and R.J. Walker, Distributed Data Inventories, EOS Trans. AGU, 74, 43, 85, 1993. Presented at the Fall AGU meeting, San Francisco, December, 1993.
45. *Walker, R.J., R.L. Richard, and M. Ashour-Abdalla, The entry of solar wind ions in the magnetosphere, AGU Chapman Conference on the Physics of the Magnetopause, (Abstract), 33, 1994. Presented at the Chapman Conference, San Diego, March, 1994.
46. *Walker, R.J., R.L. Richard, T. Ogino, and M. Ashour-Abdalla, Ion entry into the magnetosphere (Abstract), 1995 Cambridge Symposium/Workshop, Multiscale Phenomena in Space Plasmas, Bermuda, 1995.
47. Ashour-Abdalla, M., J. Berchem, F.V. Coroniti, M. El-Alaoui, J. Raeder, R. Richard, D. Schriver, R.J. Walker, L.A. Frank, W.R. Paterson, K.L. Ackerson, D.J. Williams, A.T.Y. Lui, S. Kokubun, T. Yamamoto and R.P. Lepping, Theoretical Technology for the ISTP Mission: Examples of Theory-Data Closure, EOS Trans. AGU, 76, 46, 461, 1995. Presented at the Fall AGU meeting, San Francisco, December, 1995.

48. Kivelson, M.G., K.K. Khurana, R.J. Walker, J.A. Linker, C.T. Russell, D.J. Southwood, D. Barbosa, and C. Polanskey, A Magnetic Signature At Io: Preliminary Results, EOS Trans. AGU, 77, 17, S172, 1996. Presented at the Spring AGU meeting, Baltimore, May, 1996.
49. *Ashour-Abdalla, M., V. Perroomian, J. Berchem, M. El-Alaoui, J. Raeder, R.J. Walker, W.R. Paterson, L.A. Frank, S. Kokubun, T. Yamamoto and K. Ogilvie, Non Isotropic Protons in the Near Earth Magnetotail, EOS Trans. AGU, 77, 17, S231, 1996. Presented at the Spring AGU meeting, Baltimore, May, 1996.
50. Ogino, T., and R.J. Walker, Global MHD Simulation of the Interaction Between the Solar Winds and Mercury's Magnetosphere, 31st Scientific Assembly of COSPAR, 47, 1996. Presented at COSPAR, Birmingham U.K., 1996.
51. Kivelson, M.G., K.K. Khurana, C.T. Russell, R.J. Walker, P.J. Coleman, F.V. Coroniti, J. Green, S. Joy, R.L. McPherron, C. Polanskey, D.J. Southwood, L. Bennett, and D. Huddleston, Galileo at Jupiter: Magnetometer Results, 31st Scientific Assembly of COSPAR, 54, 1996. Presented at COSPAR, Birmingham U.K., 1996.
52. Ashour-Abdalla, M., L.M. Zelenyi, J. Berchem, M. El-Aloui, V. Perroomian, J. Reader, R.L. Richard, D. Schriver, R.J. Walker, L.A. Frank, W.R. Paterson, K. Ackerson, S. Kokubun, T. Yamamoto, R.P. Lepping, and K. Ogilvie, Determination of Particle Sources for Observed Distribution Function, Encounter Between Global Observations and Models in the ISTP Era, 18, 1996. Presented at Huntsville 96, Guntersville Alabama, 1996.
53. *Walker, R.J., T. Ogino, and M. Ashour-Abdalla, Magnetosphere Ionosphere Coupling in Global Magnetohydrodynamic Simulations, Encounter Between Global Observations and Models in the ISTP Era, 25, 1996. Presented at Huntsville 96, Guntersville Alabama, 1996.
54. Kivelson, M.G., E.L. Kepko, and R. J. Walker, Flux Ropes and Other Mesoscale Structures in the Magnetotail of Earth, The Earth's Magnetotail: New Perspective, 73, 1996. Presented at the Chapman Conference, Kanazawa, Japan, 1996.
55. Kivelson, M.G., K.K. Khurana, C.T. Russell, R.J. Walker, J. Warnecke, S. Joy, J.A. Linker, D.J. Southwood, and C. Polanskey, Recent Results from the Galileo Magnetometer, EOS, Trans. AGU, 77, 46, 430, 1996. Presented at the Fall AGU meeting, San Francisco, December, 1996.
56. Russell, C.T., K. K. Khurana, M.G. Kivelson, R.J. Walker, and D.E. Huddleston, A Global Reconfiguration of the Jovian Magnetosphere: The jovian Counterpart of a Terrestrial Substorm, EOS, Trans. AGU, 77, 46, 431, 1996. Presented at the Fall AGU meeting, San Francisco, December, 1996.
57. Spence, H.E., R.B. Sheldon, T.A. Fritz, J. Chen, J.B. Blake, J.F. Fennell, D.N. Baker, M.G. Henderson, M. Grande, M.G. Kivelson, and R.J. Walker, Polar Energetic Particles (PEPs): A New Signature of the High-Latitude Magnetospheres, EOS, Trans. AGU, 77, 46, 618, 1996. Presented at the Fall AGU meeting, San Francisco, December, 1996.
58. Khurana, K.K., M.G. Kivelson, C.T. Russell, R.J. Walker, J. Warnecke, S. Joy, J.A. Linker, and D.J. Southwood, Recent Results from the Galileo Magnetometer, Bull. Am. Astro. Soc., 28, 3, 1055, 1996. Presented at the Division of Planetary Science Meeting, Tucson, 1996.
59. *Walker, R.J., R.L. Richard, M. Ashour-Abdalla, and T. Ogino, Mixing Multi-Scale Phenomena in Magnetospheric Models, Multi-Scale Phenomena II in Space Plasma, 30, 1998, Presented at the 1998 Cambridge Symposium Workshop, Lisbon, Portugal, June, 1998.
60. *Kivelson, M.G., and R.J. Walker, Magnetospheres on Many Scales: Jupiter, Earth and Ganymede, Multi-Scale Phenomena II in Space Plasma, 28, 1998, Presented at the 1998 Cambridge Symposium Workshop, Lisbon, Portugal, June, 1998.

61. Kivelson, M.G., K.K. Khurana, C.T. Russell, and R.J. Walker, Ion Pickup, Alfvén Wings, Induced Magnetic Fields, and Intrinsic Magnetic Fields at the Galilean Moons of Jupiter, 32nd Scientific Assembly of COSPAR, Abstracts, 89, 1998. Nagoya, Japan, July, 1998.
62. Kivelson M.G., S. Joy, K.K. Khurana, C.T. Russell, and R.J. Walker, Galileo at Gaspra, Ida, and the Galilean Moons of Jupiter: Lessons for the Study of Asteroids and Comets, 32nd Scientific Assembly of COSPAR, Abstracts, 97, 1998., Nagoya, Japan, July, 1998.
63. Ogino, T., and R.J. Walker, An MHD Simulation of the Jovian Magnetosphere, EOS Trans. AGU, 79, 24, W54, 1998, Presented at the Western Pacific Geophysics Meeting, Taipei, Taiwan, July, 1998.
64. Linker, J.A., K.K. Khurana, M.G. Kivelson and R.J. Walker, Modeling Jovian Plasma-Satellite Interactions: The Ganymede Magnetosphere, EOS Trans. AGU, 79, 24, W54, 1998, Presented at the Western Pacific Geophysics Meeting, Taipei, Taiwan, July, 1998.
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