

*Resumé***RONALD GREELEY**

Ronald Greeley is a Regents' Professor in the *School of Earth and Space Exploration (SESE)* at *Arizona State University*, Director of the *NASA-ASU Regional Planetary Image Facility*, and Principal Investigator of the *Planetary Aeolian Laboratory* at NASA-Ames Research Center. He has been involved in lunar and planetary studies since 1967. Current research is focused on understanding planetary surface processes and geologic histories. The approach involves a combination of spacecraft data analysis, laboratory experiments, and geologic field studies on Earth of features analogous to those observed on the planets.

After receiving his Ph.D. in Geology in 1966, Greeley worked for *Standard Oil Company of California*. Through military duty, he was assigned to NASA's *Ames Research Center* in 1967 where he worked in a civilian capacity in preparation for the Apollo missions to the Moon. Subsequently, he remained at NASA to conduct research in planetary geology. With the results from planetary missions in the early 1970s, attention shifted to Mars and research on volcanism and aeolian processes through the analysis of Mariner 6, 7, and 9 data. Results from this work were applied as a science team member on the Mars Viking Mission, 1976-80.

In 1977, Greeley joined the faculty at *Arizona State University* with a joint professorship in Geology and the Center for Meteorite Studies. Current projects include study of wind processes on Earth, Mars, Venus, and Titan, field studies of basaltic volcanism, and photogeological mapping of planets and satellites including Europa. Planetary mission involvement includes science team membership on the *Mars Exploration Rovers*, and the European Space Agency *Mars Express* mission. Greeley has served on various NASA and National Academy of Science panels to assess space science and planetary geology activities. He has chaired the NASA Planetary Geology and Geophysics *Management Operations Working Group*, the National Academy of Sciences *Committee on Lunar and Planetary Exploration*, and the NASA *Mars Exploration Program Analysis Group*; he is currently Co-chair of the NASA Science Definition Team for the Europa "flagship" mission. He is author or co-author of 16 books and more than 400 papers.

Positions held:

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| 1977-present | <i>Professor, School of Earth and Space Exploration, Arizona State University, Tempe, Arizona (Chair, 1986-1990; Regents' Professor, 1994-present; Interim Director, School of Earth and Space Exploration, 2005-2006)</i> |
| 1999-2003 | <i>Distinguished Visiting Scientist, Jet Propulsion Laboratory</i> |
| 1984 | <i>Overseas Fellow, Cambridge University, Churchill College and Department of Earth Sciences, England</i> |
| 1976-1980 | <i>Adjunct Professor, Department of Geological Sciences, State University of New York, Buffalo, New York</i> |
| 1976-1977 | <i>Visiting Associate Professor, Division of Geological and Planetary Science, California Institute of Technology, Pasadena, California</i> |
| 1975-1980 | <i>Research Fellow, Physics and Astronomy Department, University of London Observatory, Mill Hill Park, London NW7 2QS, England</i> |
| 1971-1977 | <i>Research Associate, Physics Department, University of Santa Clara, California (Office and Laboratories at Space Sciences Division, NASA-Ames Research Center, Moffett Field, California)</i> |

- 1969-1971 *Postdoctoral Research Associate*, National Research Council, National Academy of Sciences, Space Sciences Division, NASA-Ames Research Center, Moffett Field, California
- 1967-1969 *Research Scientist*, U.S. Army assigned to Space Sciences Division, NASA-Ames Research Center, Moffett Field, California
- 1966-1967 *Geologist*, Standard Oil Company (California), Lafayette, Louisiana
- 1965-1966 *Instructor in Geology* (part-time), Department of Geology, University of Missouri at Rolla, Missouri

Education:

B.S.	Geology	1962	Mississippi State University
M.S.	Geology	1963	Mississippi State University
Ph.D.	Geology	1966	University of Missouri at Rolla

Membership in Professional Societies:

American Association for Advancement of Sciences, Fellow
 Geological Society of America, Fellow
 American Geophysical Union, Fellow
 Meteoritical Society
 National Speleologic Society, Honorary Lifetime Member

Awards and Honors:

Fellow, *American Association for Advancement of Science*, (2008)
 Fellow, *American Geophysical Union*, (2007)
 Best Field Trip of the Year, *Ariz. State Univ. School of Earth and Space Expl.* (2007)
 Presidents Award for Practical Paper, *Amer. Soc. Photogrammetry and Remote Sensing* (2006)
 Distinguished Faculty Award, *Arizona State University* (2004)
 Distinguished Alumnus Award, *Mississippi State University* (2004)
 National Associate, *National Academy of Sciences* (2003)
 Honorary Lifetime member, *National Speleologic Society* (2000)
 Distinguished Visiting Scientist, *Jet Propulsion Laboratory* (1999-2003)
 Best Geoscience Reference (NASA Atlas), *Geoscience Information Society (GSA)* (1998)
 Ida and Cecil Green Honors Professor, *Texas Christian University* (1998)
 G. K. Gilbert Award, Planetary Geology Division, *Geological Society of America* (1997)
 Regents' Professorship, *Arizona State University* (1994)
 Asteroid named *Greeley 30785* (1988)
 Outstanding Mentor of Graduate Students, *Graduate College, Arizona State University* (1988)
 Overseas Fellow, *Churchill College, Cambridge University* (1984)
 Distinguished Research Award, *Graduate College, Ariz. State Univ.* (1981-1982)

NASA Awards:

Individual

1. Public Service Medal, Viking landing site analysis (1977)
2. Galileo Superior Performance Award Earth-Moon-2 (1995)

Leadership Awards

1. Mars Strategic Planning (MEPAG Founding Chair) (2001)
2. Jupiter Icy Moons Orbiter, Science Definition Team (community Chair) (2005)

Flight-project Group Awards

1. Viking Mars mission, Orbiter Imaging Team (1976)
2. Galileo Instrument (solid state imager) design team (1991)
3. Magellan radar science team (1992)
4. Galileo asteroid Gaspra encounter (1994)
5. Galileo Jupiter Probe and Orbit insertion (1996)
6. Imager for Mars Pathfinder science team (1997)
7. Synthetic Aperture Radar Development for Shuttle (1998)
8. Galileo Flight Operations (1998)
9. Automated Synthetic Aperture Radar Image Processor Development Team (1998)
10. Mars Exploration Rover Operations (2004)
11. Mars Exploration Rover Science (2004)
12. Autonomous Sciencecraft Experiment Team (2005)
13. Mars Express extended mission operations (2008)

Future mission and instrument development Group Awards

1. ARES (Mars Airplane)
2. Mars Pathfinder, Imager for Mars Pathfinder Team (1997)
2. Jupiter Icy Moons Orbiter (2005)
3. Autonomous Science-craft Experiment (2005)
4. Software of the year (2005)

Professional Society Service:

Member, *International Planetary Rovers Symposium, Science Program Steering Committee*, Toulouse, France (1991-1992); Santa Monica (1997)

Member, *American Geophysical Union, Committee on Public Affairs* (1989-1994)

Member, *Program Committee, Division of Planetary Science* (Amer. Ast. Soc.; 1985, 1992)

Chairman, *Geological Society of America, Planetary Geology Division* (1989-1990)

Member, *The Planetary Society, Advisory Board for Mars* (1982-1985)

Organizing Committee - *Third International Colloquium on Mars* (1981)

Science-Service:

Consultant, Jet Propulsion Laboratory (2000-present)

Consultant, Johns Hopkins University, *Applied Physics Laboratory* (2001-2006)

Member, Director's Science Council, *NASA Astrobiology Institute*, Ames Research Center (1999-2003)

Member, Steering Committee, Solar System Exploration Strategic Survey, *National Academy of Sciences* (co-chair of Inner Planets Panel) (2001-2002)

Member, *Mars Task Group*, NASA Headquarters (2001)

Consultant, *Global Aerospace* (2002)

Consultant, *CH2M Hill Engineers* (2002)

Consultant, Mars Sample Return mission, *SpaceDev (Boeing)* (2001)

Chairman, Committee on Planetary and Lunar Exploration, *National Academy of Sciences* (1995-1998) (member, 1981-1985)

Member, Space Studies Board, *National Academy of Sciences* (1995-1998)

Member, *Lunar and Planetary Institute Science Council* (1981-1984; 1991-1995)

Member, *Review Board, Jet Propulsion Laboratory Image Processing Facility* (1984-1987; 1992-1994)
 Consultant, *Kuwait Institute for Scientific Research* (1986-1988)
 Member *National Academy of Sciences Study Panel, Space Sciences in the Period 1995-2015* (1984-1986)
 Consultant, *UNESCO, Physics of Desertification* (Trieste 1979), (Khartoum 1984)
 Consultant, Impact Cratering proposal, *Royal Society*, London (1980)
 Consultant, French space science review (*CNR*) (1978)
 Expert Witness (law firms), litigation dealing with geological and aeolian processes (continuing)

Editorial Service:

Associate Editor, *Astrobiology* (2001-present)
 Associate Editor, *Icarus* (1984-2001)
 Associate Editor, Planetary Science Series, *Cambridge University Press* (1980-2000)
 Associate Editor, *Astronomy Express*, *Univ. of Cambridge Press* (1984-1985)
 Special Editor, 3rd Mars Colloquium Issue, *Journal of Geophysical Research* (1982)
 Associate Editor, *Journal of Geophysical Research* (1978-1982)

Convenor/Organizer of Service Functions:

Convenor, NASA Icy Satellites Astrobiology Workshop (NASA – Ames (Sept. 2007)
 Convenor, AAAS Symposium, Europa, San Francisco (Feb. 2007)
 Convenor, NASA Europa workshop (NASA-Ames) (Feb. 2006)
 Organize, NASA workshop on Dust Devils (2005)
 Chair, *NASA-Astrobiology Institute*, Europa Focus Group (2001-present)
 Co-chair, *Workshop on Human Exploration of Mars* (NASA Goddard, 2001)
 Convenor, *NASA, Geol. Soc. Amer., and NSF Short Courses in Planetology* (1974, 1976, 1978, 1979, 1985, 1996)
 Organizer, *Dust on Mars* workshop (1991)
 Organizer and host NASA workshop on "Future of Planetary Geology" (1988)
 Member, Organizing committee, LPI workshop "Mars Sample Return" (1988)
 Convenor, *NASA Panel for Space Science Microgravity Experiments* (1983-1986)
 Organizer, *Io Volcanism Workshop*, Kona (1984)
 Organizer, *NASA Field Conference on Aeolian Processes* (1978)
 Co-organizer, *NASA Field Conference on Volcanism in the Snake River Plain* (1977)
 Organizer, *NASA Field Conference on Hawaiian volcanism* (1974)

NASA Committees:

Co-chair, *Science Definition Team, Europa Orbiter* (2006-present)
 Chair, *NASA Astrobiology Icy Satellites Focus Group* (2006-2008)
 Chair, *NASA Astrobiology Europa Focus Group* (2001-2004)
 Chair, *Europa Sub-Group, Outer Planets Program Analysis Group* (2003-2006)
 Chair, *NASA Planet. Geo. and Geophys. Management Operations Working Group* (2003-2008)
 Co-chair, *NASA Science Definition Team, Jupiter Icy Moons Orbiter* (2003-2005)
 Member, *NASA Mars Exploration Review Team* (2001-2003)
 Chair, *NASA Mars Exploration Payload Analysis Group* (1999-2002)
 Co-chair, *Science Definition Team, Mars '05 Orbiter* (2000-2001)

Chair, *NASA Office of Space Sciences - Minority University Program review panel* (2000)
 Chair, *NASA Lunar Prospector Data Analysis review panel* (1999)
 Chair, *NASA Regional Planetary Image Facility, Board of Directors* (1998-2000)
 Chair, *NASA Jupiter Satellite Data Analysis review panel* (1998)
 Member, *Mars Architecture Review Board* (1998-1999)
 Member, *NASA-ESA Joint Science Working Group, InterMarsNet* (1994-1996)
 Member, *Solar System Road Map development team*-(1995-1996)
 Member, *NASA Mars Science Working Group* (mission planning) (1976-1979), (1989-1995)
 Member, *Advanced Mission Planning: Mars Landing Sites* (1978-1995)
 Chair, *NASA Clementine Review Panel* (1993)
 Member, *NASA Science Definition Team, Mars MESUR mission* (1991-1993)
 Chair, *NASA Science Steering Committee, Mars Geological Mapping Program* (1986-1992)
 Member, *NASA Planetary Geology Development Program* (1987-1992)
 Project Director, *NASA Solar System Atlas* (1987-1992)
 Member, *NASA Science Steering Committee, Geology Remote Sensing Field Experiment* (1987-1991)
 Member, *NASA Teleoperations Working Group, Ames Research Center* (1989-1991)
 Member, *NASA Lunar Instrument Science Definition Team* (1989-1991)
 Member, *NASA Mars Telescope Science Group* (1990)
 Member, *NASA Steering Committee, "Mars: Volcanism/Tectonism" study project* (1987-1990)
 Steering Committee, *NASA Galilean Satellite Geological Mapping Program* (1980-1990)
 Member, *NASA Mars Rover/Sample Return Science Working Group* (1988-1989)
 Chair, *NASA Lunar and Planetary Geology Program, Review Panel (Geology Group)* (1976-1979), (1986-1989)
 Chair, Steering Committee, *NASA project, Solar System Science on Space Station* (1984-1988)
 Chair, Steering Committee, *NASA project, Mars: Evolution of its Climate and Atmosphere* (1984-1987)
 Member, *NASA Space Station Users Working Group, Goddard Space Flight Center* (1985-1987)
 Chair, *NASA Planetary Cartography Working Group* (1984-1986)
 Chair, *NASA Planetary Geology Working Group* (1980-1984)
 Member, *NASA Lunar Nomenclature Subgroup* (1974-1976)

Principal Investigator:

Jupiter Satellite Data Analysis Program (1999-2001)
 Joint U.S.-Russia Investigator Program (1999-2001)
 NASA-Astrobiology Institute (1998-present)
 Planetary Geology and Geophysics Program (1970-present)
 Mars Geological Mapping Program (1972-1974; 1988-1997)
 Mars Data Analysis Program (1976-1981) (1999-2005)
 Lunar Data Analysis and Synthesis Program (1972-1975)
 Venus Data Analysis Program (1993-1998)
 Outer Planet Data Analysis Program (1984-1990)
 Mars: Evolution of Volcanism, Tectonism, and Volatiles Program (1986-1989)
 National Science Foundation, "Bolivian Ignimbrites" (1985-1987)
 Shuttle Imaging Radar data analysis (1984-1985)
 Mars: Evolution of Climate and Atmosphere Program (1983-1986)

Analysis of SIR-A (Radar) data (1983-1984)
Innovative use of the Space Station (1983)
Jupiter Data Analysis Program (1977-1983)
Apollo Data Analysis Program (1970-1972)

Co-investigator/Team member/Flight Projects:

Mars Exploration Rovers (2002-present)
Mars Express imaging experiment (1998-present)
Autonomous Sciencecraft Experiment (2000-present)
Mars Polar Lander, MVACS Imaging Team (1996-2000)
Galileo imaging team (1977-2001)
Mars Pathfinder imaging team (1994-1998)
SIR-C (Shuttle-Imaging Radar experiment) (1988-1997)
Mars 96 Imaging Experiment Team (1991-1996)
Viking Orbiter imaging team (1976-1980)

Guest Investigator/Flight Projects:

Mars 96 mission (1991-1996)
Magellan-Venus (1990-1992)
Mars Global Surveyor (2001-2004)

R. GREELEY: PUBLICATIONS***Books***

1. 1974, *A Primer in Lunar Geology*, NASA TM X-62359, 574 p., Greeley, R. and P. Schultz, eds.
2. 1974, *Geologic Guide to the Island of Hawaii*, NASA CR 152416, 257 p., Greeley, R. ed.
3. 1977, *Geology on the Moon*, Wykeham Science Series, Taylor and Francis Ltd., London, Italian translation (1979), German translation (1979), 235 p., Guest, J.E. and R. Greeley.
4. 1980, *Volcanic Features of Hawaii - A Basis for Comparison with Mars*, NASA SP-403, 211 p., Carr, M.H. and R. Greeley.
5. 1981, *Earthlike Planets*, W.H. Freeman, San Francisco, 387 p., Murray, B.C., M.C. Malin, and R. Greeley.
6. 1982, *Activities in Planetary Geology*, NASA EP-179, 175 p., D'Alli, R. and R. Greeley.
7. 1985, *Planetary Landscapes*, Allen and Unwin, London, second printing (1987), 275 p., Greeley, R.
8. 1985, *Wind as a Geological Process: Earth, Mars, Venus, and Titan*, Cambridge University Press, Cambridge, 333 p., Greeley, R. and J.D. Iversen.
9. 1990, *Planetary Mapping*, Cambridge University Press, Cambridge, 296 p., Greeley, R. and R. Batson, eds.
10. 1994, *Planetary Landscapes* (second edition), Chapman and Hall, New York, 286 p., Greeley, R.
11. 1997, *The NASA Atlas of the Solar System*, Cambridge University Press, 369 p., Greeley, R. and R. Batson (second printing 1998).
12. 1998, *Activities in Planetary Geology for the Physical and Earth Sciences*, NASA EG-1998-03-109-HQ, 238 p. Greeley, R., K. Bender, and R. Pappalardo.
13. 1999, *The NASA Atlas of the Solar System* (Polish Edition), Cambridge University Press, 369 p., Greeley, R. and R. Batson. (German Edition, 2002; 375p.)
14. 2001, *The Compact NASA Atlas of the Solar System*, Cambridge University Press, 408 p., Greeley, R. and R. Batson.
15. 2002, *21st Century Astronomy*, Norton Press, 540 p., Hester, J., D. Burstein, G. Blumenthal, R. Greeley, B. Smith, H. Voss, and G. Wegner.
16. 2007, *21st Century Astronomy*, 2nd Edition, W. W. Norton, 726 p., Hester, J., D. Burstein, G. Blumenthal, R. Greeley, B. Smith, H. Voss, and G. Wegner.
17. 2008, Jupiter Europa Orbiter Mission Study 2008: Final Report, *The NASA Element of the Europa Jupiter System Mission (EJSM)*, Task Order #NMO710851, D-48279, 558 p., Clark,

K.B., R. Pappalardo, R. Greeley, C. Jones, T. Manager, M. Blanc, J.-P. Lebreton, and J. Sommerer.

Papers

1. 1966, An Inexpensive Dredge for Use in Shallow Water, *The Compass*, 43, 179-180, Greeley, R.
2. 1966, Lectotypes of Some Lunulitiform Bryozoan Species (Canu and Bassler, 1920), *J. Paleontology*, 40, 969-970, Greeley, R.
3. 1967, Natural Orientation of Lunulitiform Bryozoans, *Geol. Soc. Amer. Bull.*, 78, 1179-1182, Greeley, R.
4. 1969, Basally "Uncalcified" Zoaria of Lunulitiform Bryozoa, *J. Paleontology*, 43, 252-256, Greeley, R.
5. 1969, On the Origin of Lunar Sinuous Rilles, *Modern Geology*, 1, 75-80, Oberbeck, V.R., W.L. Quaide, and R. Greeley.
6. 1970, Life-Orientation Relationships of Some Eocene Bryozoan-Coral Associations, *J. Paleontology*, 44, 343-345, Greeley, R.
7. 1970, Note on a Specimen Collecting Sieve, *J. Paleontology*, 44, 1132-1133, Greeley, R.
8. 1970, Terrestrial Analogs to Lunar Dimple (Drainage) Craters, *The Moon*, 1, 237-252, Greeley, R.
9. 1970, Precision Size-Frequency Distributions of Craters for 12 Selected Areas of the Lunar Surface, *The Moon*, 2, 10-77, Greeley, R. and D. Gault.
10. 1971, Geology of Selected Lava Tubes in the Bend Area, Oregon, *Oregon Department of Geology and Mineral Industries Bull.* 71, 47 p., Greeley, R.
11. 1971, Lava Tubes and Channels in the Lunar Marius Hills, *The Moon*, 3, 289-314, Greeley, R.
12. 1971, Lunar Hadley Rille: Considerations of its Origin, *Science*, 172, 722-725, Greeley, R.
13. 1971, Note on the Occurrence of Dribblet Spires in the Snake River Plain, Idaho, *Northwest Science*, 45, 145-148, Greeley, R.
14. 1971, Observations of Actively Forming Lava Tubes and Associated Structures, Hawaii, *Modern Geology*, 2, 207-223, Greeley, R.
15. 1971, Endogenetic Craters Interpreted from Crater Counts on the Inner Wall of Copernicus, *Science*, 171, 477-479, Greeley, R. and D.E. Gault.
16. 1971, Seismic-Wave Velocity Patterns in Some Pahoehoe Basalt Flows, *J. Geophys. Res.*, 76, 5765-5769, Rinehart, J. and R. Greeley.
17. 1971, Lunar Rilles - A Catalog and Method of Classification, *NASA TM X-62088*, 83 p., Oberbeck, V.R., R. Greeley, M. Lovas, and R. Morgan.

18. 1972, Additional Observations of Actively Forming Lava Tubes and Associated Structures, Hawaii, *Modern Geology*, 3, 157-160, Greeley, R.
19. 1972, Introduction to Lunar and Planetary Geology, NASA-Ames Research Center, Office of Public Affairs, 45 p., Greeley, R.
20. 1972, Mariner 9 Photographs of Small-Scale Volcanic Structures on Mars, *NASA TM X-62222*, 22 p., Greeley, R.
21. 1972, Lava Tubes of the Cave Basalt, Mount St. Helens, Washington, *Geol. Soc. Amer. Bull.* 83, 2397-2418, Greeley, R. and J.H. Hyde.
22. 1972, Planimetric Shapes of Lunar Rilles, in *NASA SP-315, Apollo 16 Prelim. Science Report*, 29-80 to 29-88, Oberbeck, V.R., M. Aoyagi, R. Greeley, and M. Lovas.
23. 1972, Comparative Geology of Crater Aratus CA (Mare Serenitatis) and Bear Crater (Idaho), *NASA SP-315*, Apollo 16 Preliminary Science Report, 30-1 to 30-6, Greeley, R.
24. 1973, Mariner 9 Photographs of Small Volcanic Structures on Mars, *Geology*, 1, 175-180, Greeley, R.
25. 1973, Crater Frequency Age Determinations for the Proposed Apollo 17 Site at Taurus-Littrow, *Earth and Planet. Sci. Lett.*, 18, 102-108, Greeley, R. and D.E. Gault.
26. 1973, Geological Field Trip Guide, Mount St. Helens Lava Tubes, Washington, *Oregon Department of Geology and Mineral Ind. Bull.* 77, 183-206, Hyde, J. and R. Greeley.
27. 1973, Simulation of Martian Eolian Phenomena in the Atmospheric Wind Tunnel, *NASA SP-336*, 191-213, Iversen, J.D., R. Greeley, J.B. Pollack, and B.R. White.
28. 1974, Aerial Reconnaissance of the Geology Over the Island of Hawaii, in *NASA TM X-62362*, 113-183, Greeley, R.
29. 1974, Approaches for Teaching Lunar Geology, in *NASA TM X-62359*, 499-567, Greeley, R.
30. 1974, Kaumana Lava Tube, in *NASA TM X-62362*, 233-238, Greeley, R.
31. 1974, Sources of Lunar Geological Data, in *NASA TM X-62359*, 1-10, Greeley, R.
32. 1974, Volcanism as a Planetary Process, in *NASA TM X-62359*, 295-322, Greeley, R.
33. 1974, Use of Visible, Near-Infrared, and Thermal Infrared Remote Sensing to Study Soil Moisture, *NASA TM X-62343*, Blanchard, M.B., R. Greeley, and R. Goettelman.
34. 1974, Use of Visible, Near-Infrared, and Thermal Infrared Remote Sensing to Study Soil Moisture, *Proc. Remote Sensing Symp.*, 9, Ann Arbor, 693-700, Blanchard, M.B., R. Greeley, and R. Goettelman.
35. 1974, Wind Tunnel Simulations of Light and Dark Streaks on Mars, *Science*, 183, 847-849, Greeley, R., J.D. Iversen, J.B. Pollack, N. Udovich, and B. White.
36. 1974, Wind Tunnel Studies of Martian Aeolian Processes, *Proc. R. Soc. Lond. A.*, 341, 331-360, Greeley, R., J.D. Iversen, J.B. Pollack, N. Udovich, and B. White.
37. 1975, Lava Tubes on Other Planets, *Atti Del Seminario Sulle Grotte Laviche*, 181-192, Greeley, R.

38. 1975, Geologic Field Guide to the Quaternary Volcanics of the South-Central Snake River Plain, Idaho, *Idaho Bur. Mines Pamph. 160*, 49 p., Greeley, R. and J.S. King.
39. 1975, Eolian Erosion of the Martian Surface, Part 1: Erosion Rate Similitude, *Icarus*, 26, 321-331, Iversen, J.D., R. Greeley, B.R. White, and J.B. Pollack.
40. 1975, Particle Motion in Atmospheric Boundary Layers of Mars and Earth, *NASA TM X-62463*, 200 p., White, B.R., J.D. Iversen, R. Greeley, and J.B. Pollack.
41. 1975, The Future Exploration of Venus, *NASA TM X-62450*, 206 p., Colin, L., L.C. Evans, R. Greeley, W.L. Quaide, R.W. Schaupp, A. Seiff, and R.E. Young.
42. 1976, Modes of Emplacement of Basalt Terrains and an Analysis of Mare Volcanism in the Orientale Basin, *Proc. Lunar Sci. Conf. 7th*, 2747-2759, Greeley, R.
43. 1976, Basalt Models for the Mars Penetrator Mission: Geology of the Amboy Lava Field, California, *NASA TM X-73125*, 53 p., Greeley, R. and T.E. Bunch.
44. 1976, A Geological Basis for the Exploration of the Planets, *NASA SP-417*, 109 p., Greeley, R. and M. Carr, eds.
45. 1976, Surficial Geology of Mars: A Study in Support of a Penetrator Mission to Mars, *NASA TM X-73184*, 54 p., Spudis, P. and R. Greeley.
46. 1976, Amboy Project: Aeolian and volcanic studies at Amboy Crater, Mojave Desert, California, 1976, *NASA Grant NGR 05-017-037*, 45 pp., Greeley, R., J.D. Iversen, J.B. Pollack.
47. 1976, Windblown Dust on Earth, Mars, and Venus, *Jour. Atmosph. Sci.*, 33, 2425-2429, Iversen, J.D., R. Greeley, and J.B. Pollack.
48. 1976, Degradation of Small Mare Surface Features, *Proc. Lunar Sci. Conf. 7th*, 985-1003, Schultz, P.H., R. Greeley, and D.E. Gault.
49. 1976, Variable Features on Mars. VI. An Unusual Crater Streak in Mesogaea, *Icarus*, 27, 241-253, Veverka, J., C. Sagan, and R. Greeley.
50. 1976, The Effect of Vertical Distortion in the Modeling of Sedimentation Phenomena: Martian Crater Wake Streaks, *J. Geophys. Res.*, 81, 4846-4856, Iversen, J.D., R. Greeley, B.R. White, and J.B. Pollack.
51. 1976, Saltation Threshold on Mars: The Effect of Interparticle Force, Surface Roughness, and Low Atmospheric Density, *Icarus*, 29, 381-393, Iversen, J.D., J.B. Pollack, R. Greeley, and B.R. White.
52. 1976, Estimates of the Wind Speeds Required for Particle Motion on Mars, *Icarus*, 29, 395-417, Pollack, J.B., R. Haberle, R. Greeley, and J. Iversen.
53. 1976, Estimated Grain Saltation in a Martian Atmosphere, *J. Geophys. Res.*, 81, 5643-5650, White, B.R., R. Greeley, J.D. Iversen, and J.B. Pollack.
54. 1976, Mars: Wind Friction Speeds for Particle Movement, *Geophys. Res. Lett.*, 3, 417-420, Greeley, R., B. White, R. Leach, J. Iversen, and J. Pollack.

55. 1976, The North Polar Region of Mars: Imaging Results from Viking II, *Science*, 194, 1329-1337, Cutts, J.A., K.R. Blasius, G.A. Briggs, M.H. Carr, H. Masursky, and R. Greeley.
56. 1976, Preliminary Results from the Viking Orbiter Imaging Experiment, *Science*, 193, 766-776, Carr, M.H., H. Masursky, W.A. Baum, K.R. Blasius, G.A. Briggs, J.A. Cutts, T. Duxbury, R. Greeley, J.E. Guest, B.A. Smith, L.A. Soderblom, J. Veverka, and J.B. Wellman.
57. 1977, Aerial Guide to the Geology of the Central and Eastern Snake River Plain, in *Volcanism of the Eastern Snake River Plain, Idaho: A Comparative Planetary Geology Guidebook*, NASA CR 154621, 59-112, Greeley, R.
58. 1977, Basaltic "Plains" Volcanism, in *Volcanism of the Eastern Snake River Plain, Idaho: A Comparative Planetary Geology Guidebook*, NASA CR 154621, 23-44, Greeley, R.
59. 1977, Lava Tubes on Other Planets, *Atti del Seminario sulle Grotte Laviche Catania*, August 1975, 181-192, Greeley, R.
60. 1977, Volcanic Morphology, in *Volcanism of the Eastern Snake River Plain, Idaho: A Comparative Planetary Geology Guidebook*, NASA CR 154621, 5-22, Greeley, R.
61. 1977, Geology of the Wapi Lava Field, Snake River Plain, Idaho, in *Volcanism of the Eastern Snake River Plain, Idaho: A Comparative Planetary Geology Guidebook*, NASA CR 154621, 133-151, Champion, D.E. and R. Greeley.
62. 1977, Abstracts for the Planetary Geology Field Conference on the Snake River Plain, Idaho, NASA TM-78436, 40 p., Greeley, R. and D. Black.
63. 1977, Road Log from American Falls to Split Butte, in *Volcanism of the Eastern Snake River Plain, Idaho: A Comparative Planetary Geology Guidebook*, NASA CR 154621, 295-308, Greeley, R. and J.S. King.
64. 1977, Possible Planetary Analogs to Snake River Plain Basalt Features, in *Volcanism of the Eastern Snake River Plain, Idaho: A Comparative Planetary Geology Guidebook*, NASA CR 154621, 233-251, Greeley, R. and P.H. Schultz.
65. 1977, Guide to the Geology of King's Bowl Lava Field, in *Volcanism of the Eastern Snake River Plain, Idaho: A Comparative Planetary Geology Guidebook*, NASA CR 154621, 171-188, Greeley, R., E. Theilig, and J.S. King.
66. 1977, Geological Observations in the Cydonia Region of Mars from Viking, *J. Geophys. Res.*, 82, 4111-4120, Guest, J.E., P.S. Butterworth, and R. Greeley.
67. 1977, A Study of Variable Features on Mars During the Viking Primary Mission, *J. Geophys. Res.*, 82, 4167-4187, Veverka, J., P. Thomas, and R. Greeley.
68. 1977, Martian Impact Craters and Emplacement of Ejecta by Surface Flow, *J. Geophys. Res.*, 82, 4055-4065, Carr, M.H., L. Crumpler, R. Greeley, J.E. Guest, and H. Masursky.
69. 1977, Some Martian Volcanic Features as Viewed from the Viking Orbiters, *J. Geophys. Res.*, 82, 3985-4015, Carr, M.H., R. Greeley, K.R. Blasius, J.E. Guest, and J.B. Murray.
70. 1977, Dust Storms on Mars: Considerations and Simulations, NASA TM-78423, 29 p., Greeley, R., B.R. White, J.B. Pollack, J.D. Iversen, and R.N. Leach.

71. 1977, Geology of Chryse Planitia, *J. Geophys. Res.*, 82, 4093-4109, Greeley, R., E. Theilig, J.E. Guest, M.H. Carr, H. Masursky, and J.A. Cutts.
72. 1978, On Mars, *Geotimes*, 23(6), 17-18, Greeley, R.
73. 1978, Exploratory Experiments of Impact Craters Formed in Viscous-Liquid Targets: Analogues for Martian Rampart Craters?, *Icarus*, 34, 486-495, Gault, D.E. and R. Greeley.
74. 1978, Abstracts for the Planetary Geology Field Conference on Aeolian Processes, NASA TM-78455, 58 p., Greeley, R. and D. Black.
75. 1978, Geologic Map of the Casius Quadrangle of Mars, *U.S. Geol. Survey Map I-1038 (MC-6)*, Greeley, R. and J. Guest.
76. 1978, Atmospheric and Wind Tunnel Experiments of the Amboy Crater Sand-Covered Lava Flow, Engineering Res. Inst., Iowa State Univ., Ames, Iowa, Interim Report, 79 p. *ISU-ERI-78235*, Greeley, R. and J.D. Iversen.
77. 1978, Field Guide to Amboy Lava Flow, San Bernadino Co., CA., in Greeley, R. et al., eds., *Aeolian Features of Southern California: A Comparative Planetary Geology Guidebook*, 23-52, Greeley, R. and J.D. Iversen.
78. 1978, Mare Volcanism in the Herigonius Region of the moon, *Proc. Lunar Planet. Sci. Conf. 9th*, 3333-3349, Greeley, R. and P.D. Spudis.
79. 1978, Volcanism in the Cratered Terrain Hemisphere of Mars, *Geophys. Res. Lett.*, 5, 453-455, Greeley, R. and P.D. Spudis.
80. 1978, Episodic Channeling and Layered Terrain on Mars: Implications for Ground Ice, *Proc. 2nd Colloq. on Planet. Water and Polar Process.*, Hanover, New Hampshire, 151-157, Theilig, E. and R. Greeley.
81. 1978, Crater Streaks in the Chryse Planitia Region of, Mars: Early Viking Results, *Icarus*, 34, 556-567, Greeley, R., R. Papson, and J. Veverka.
82. 1978, Aeolian Features of Southern California: A Comparative Planetary Geology Guidebook, NASA, 264 p., Greeley, R., M. Womer, R. Papson, and P. Spudis, eds.
83. 1979, Silt-Clay Aggregates on Mars, *J. Geophys. Res.*, 84, 6248-6254, Greeley, R.
84. 1979, Endogenic Craters of Basaltic Lava Flows: Size Frequency Distribution, *Proc. Lunar Planet. Sci. Conf. 10th*, 2919-2933, Greeley, R. and D.E. Gault.
85. 1979, Plains and Channels in the Lunae Planum-Chryse Planitia Region of Mars, *J. Geophys. Res.*, 84, 7994-8010, Theilig, E. and R. Greeley.
86. 1979, Abrasion of Windblown Particles on Mars: Erosion of Quartz and Basaltic Sand Under Simulated Martian Conditions, *Icarus*, 39, 364-384, Krinsley, D., R. Greeley, and J.B. Pollack.
87. 1979, Simulated Aeolian Erosion of Quartz, *37th Ann. Proc. Electron Microscopy Soc. Amer.*, San Antonio, Texas, G.W. Bailey (ed.), 624-625, McKee, T.R., R. Greeley, and D.H. Krinsley.

88. 1979, Mars: The North Polar Sand Sea and Related Wind Patterns, *J. Geophys. Res.*, *84*, 8167-8180, Tsoar, H., R. Greeley, and A.R. Peterfreund.
89. 1980, Role of Lava Tubes in Flows from the Observatory Vent, 1971 Eruption on Mount Etna, *Geol. Mag.*, *117*, 601-606, Guest, J.E., J.R. Underwood, and R. Greeley.
90. 1980, The Geology of Split Butte-A Maar of the South-Central Snake River Plain, Idaho, *Bull. Volc.*, *43*, 453-471, Womer, M.B., R. Greeley, and J.S. King.
91. 1980, Threshold Windspeeds for Sand on Mars: Wind Tunnel Simulations, *Geophys. Res. Lett.*, *7*, 121-124, Greeley, R., R. Leach, B. White, J. Iversen, and J. Pollack.
92. 1980, Impact Cratering in Viscous Targets: Laboratory Experiments, *Proc. Lunar Planet Sci. Conf. 11th*, 2075-2097, Greeley, R., J. Fink, D.E. Gault, D.B. Snyder, J.E. Guest, and P.H. Schultz.
93. 1981, Aeolian Activity as a Planetary Process, *Mem. S. A., Italy*, 409-418, Greeley, R.
94. 1981, Photogeologic Mapping of Planetary Surfaces, *Mem. Soc. Ast., Italy*, 567-585, Greeley, R.
95. 1981, Volcanism on Mars, *Rev. Geophys. Space Phys.*, *19*, 13-41, Greeley, R. and P.D. Spudis.
96. 1981, Mare Basin Filling on the Moon: Laboratory Simulations, *Proc. Lunar Planet. Sci.*, *12B*, 651-663, Greeley, R. and M.B. Womer.
97. 1981, High Resolution Visual, Thermal, and Radar Observations in the Northern Syrtis Major Region of Mars, *Proc. Lunar Planet. Sci.*, *12B*, 1419-1429, Zimbelman, J.R. and R. Greeley.
98. 1981, Impact Cratering Experiments in Bingham Materials and the Morphology of Craters on Mars and Ganymede, *Proc. Lunar Planet. Sci.*, *12B*, 1649-1666, Fink, J.H., R. Greeley, and D.E. Gault.
99. 1981, Rheological Properties of Mudflows Associated with the Spring 1980 Eruptions of Mount St. Helens Volcano, Washington, *Geophys. Res. Lett.*, *8*, 43-46, Fink, J.H., M.C. Malin, R.E. D'Alli, and R. Greeley.
100. 1981, Dust Storms on Mars: Considerations and Simulations, *Geol. Soc. Amer. Spec. Paper*, *186*, 101-121, Greeley, R., B.R. White, J.B. Pollack, J.D. Iversen, and R.N. Leach.
101. 1981, Stratigraphy of the Caloris Basin, Mercury, *Icarus*, *47*, 184-202, McCauley, J.F., J.E. Guest, G.G. Schaber, N. Trask, and R. Greeley.
102. 1982, Aeolian Modification of Planetary Surfaces, in *The Comparative Study of the Planets*, Coradini, A. and M. Fulchignoni, eds., NATO Advanced Study Institute Series, D. Reidel Publ., Dordrecht, 419-434, Greeley, R.
103. 1982, Planetology, *Geotimes*, *27*, 50-51, Greeley, R.
104. 1982, The Snake River Plain, Idaho: Representative of a New Category of Volcanism, *J. Geophys. Res.*, *87*, 2705-2712, Greeley, R.

105. 1982, The Style of Basaltic Volcanism in the Eastern Snake River Plain, Idaho, in *Cenozoic Geology of Idaho*, Idaho Bureau of Mines and Geology Bull., 26, 407-421, Greeley, R.
106. 1982, Pedestal Craters on Ganymede, *Icarus*, 51, 549-562, Horner, V.M. and R. Greeley.
107. 1982, Surface Properties of Ancient Terrain in the Northern Hemisphere of Mars, *J. Geophys. Res.*, 87, 10181-10189, Zimbelman, J.R. and R. Greeley.
108. 1982, Phreatic Eruptions of the Eastern Snake River Plain of Idaho, in *Cenozoic Geology of Idaho*, Idaho Bureau Mines and Geology Bull., 26, 453-464, Womer, M.B., R. Greeley, and J.S. King.
109. 1982, Experimental Simulation of Impact Cratering on Icy Satellites, in *Satellites of Jupiter*, Morrison, D., ed., 340-378, Greeley, R., J.H. Fink, D.E. Gault, and J.E. Guest.
110. 1982, Rate of Wind Abrasion on Mars, *J. Geophys. Res.*, 87, 10,009-10,024, Greeley, R., R.N. Leach, S.H. Williams, B.R. White, J.B. Pollack, D.H. Krinsley, and J.R. Marshall.
111. 1983, Lava Tubes and the Emplacement of Volcanic flows on Planets and Satellites, *Symp. Intern. Vulcano. IV*, Catania Siciliy, 15 p., Greeley, R.
112. 1983, Geological Map of the Shakespeare Quadrangle of Mercury, *U.S. Geol. Survey Map I-1408 (H-3)*, Guest, J.E. and R. Greeley.
113. 1983, Cooling and Deformation of Sulfur Flows, *Icarus*, 56, 38-50, Fink, J.H., S.O. Park, and R. Greeley.
114. 1983, Velocities of Windblown Particles in Saltation: Preliminary Laboratory and Field Measurements, In *Eolian Sediments and Processes*, Elsevier, Amsterdam, 133-148, Greeley, R., S.H. Williams, and J.R. Marshall.
115. 1984, Sulfur Volcanoes on Io?, *Astronomy Express*, 1, 25-31, Greeley, R. and J. Fink.
116. 1984, Martian Crater Dark Streak Lengths: Explanation from Wind Tunnel Experiments, *Icarus*, 58, 358-362, Iversen, J.D. and R. Greeley.
117. 1984, Evolution of the Yardangs at Rogers Lake, California, *Geol. Soc. Amer. Bull.*, 95, 829-837, Ward, A.W. and R. Greeley.
118. 1984, The Effect of Viscosity on Impact Cratering and Possible Application to the Icy Satellites of Saturn and Jupiter, *J. Geophys. Res.*, 89, 417-423, Fink, J., D.E. Gault, and R. Greeley.
119. 1984, Microdunes and Other Aeolian Bedforms on Venus: Wind Tunnel Simulations, *Icarus*, 60, 152-160, Greeley, R., J.R. Marshall, and R.N. Leach.
120. 1984, The Mauna Loa Sulfur Flow as an Analog to Secondary Sulfur Flows (?) on Io, *Icarus*, 60, 189-199, Greeley, R., E. Theilig, and P. Christensen.
121. 1984, Lava Tubes, Terraces, and Megatumuli on the 1614-24 Pahoehoe Lava Flow Field, Mount Etna, Sicily, *Bull. Volc.*, 47, 635-648, Guest, J.E., C. Wood, and R. Greeley.
122. 1984, Windblown Sand on Venus: Preliminary Results of Laboratory Simulations, *Icarus*, 57, 112-124, Greeley, R., J. Iversen, R. Leach, J. Marshall, B. White, and S. Williams.

123. 1984, Abrasion by Aeolian Particles: Earth and Mars, *NASA CR 3788*, 50 p., Greeley, R., S. Williams, B. R. White, J. Pollack, J. Marshall, and D. Krinsley.
124. 1985, "Plains" Volcanism, *Volcano News*, no. 21, 9-10, Greeley, R.
125. 1985, "Microdunes" and Other Aeolian Bedforms in High-Density Atmospheres, *Proc. International Workshop on the Physics of Blown Sand, Institute of Theoretical Statistics, Memoir 8*, Aarhus, Denmark, 369-376, Bougan, S. and R. Greeley.
126. 1985, Transport of Venusian Rolling "Stones" by Wind?, *Nature*, 313, 771-773, Greeley, R and J.R. Marshall.
127. 1985, The Geomorphology of Rhea: Implications for Geologic History and Surface Processes, Proc. Lunar and Planet. Sci. Conf. 15th, in *J. Geophys. Res.*, 90, C785-C795, Moore, J.M., V.M. Horner, and R. Greeley.
128. 1985, Analysis of the Gran Desierto-Pinacate Region, Sonora, Mexico, via Shuttle Imaging Radar, *NASA CR-177356*, 44 p., Greeley, R., P.R. Christensen, J.F. McHone, Y. Asmerom, and J.R. Zimbelman.
129. 1985, Wind Abrasion on Earth and Mars, in *Models in Geomorphology*, Woldenberg, M.J., ed., Allen and Unwin, Boston, 373-422, Greeley, R., S.H. Williams, B. White, J.B. Pollack, and J.R. Marshall.
130. 1986, Aeolian Activity as a Planetary Process, in *Physics of Desertification*, El-Baz, F. and M.H.A. Hassan, eds., Martinus Nijhoff Publ., Dordrecht, 159-190, Greeley, R.
131. 1986, Aeolian Landforms: Laboratory Simulations and Field Studies, in *Aeolian Geomorphology*, Nickling, W.G., ed., Allen & Unwin, Boston, 195-211, Greeley, R.
132. 1986, Sulphur and Volcanism on Io, *Nature*, 322, 593-594, Crown, D.A. and R. Greeley.
133. 1986, Aeolian processes and features at Amboy Lava Field, California, in *Physics of Desertification*, El-Baz, F. and M.H.A. Hassan, eds., Martinus Nijhoff Publ., Dordrecht, 290-317, Greeley, R. and J.D. Iversen.
134. 1986, Experiments in Planetary and Related Sciences and the Space Station, *NASA Conf. Publ. 2494*, 189 pp., Greeley, R. and R.J. Williams, eds.
135. 1986, Individual Particles and the Martian Aeolian Action--A Review, *Sedimentary Geology*, 47, 167-189, Krinsley, D. and R. Greeley.
136. 1986, Lava Flows on Mars: Analysis of Small Surface Features and Comparisons with Terrestrial Analogs, Proc. Lunar Planet. Sci. Conf., 17th, in *J. Geophys. Res.*, 91, E193-E206, Theilig, E. and R. Greeley.
137. 1986, Topographic Evidence for Shield Volcanism on Io, *Icarus*, 67, 181-183, Moore, J.M., A.S. McEwen, E.F. Albin, and R. Greeley.
138. 1987, Photogeological Inferences of Martian Surface Composition, in *Workshop on Nature and Composition of Surface Units on Mars*, Lunar and Planetary Inst./NASA/MEVTV Study Project, 49-50, Greeley, R.
139. 1987, Release of Juvenile Water on Mars: Estimated Amounts and Timing Associated with Volcanism, *Science*, 236, 1653-1654, Greeley, R.

140. 1987, The Role of Lava Tubes in Hawaiian Volcanoes, in *Volcanism of Hawaii*, Decker, R.W., T.L. Wright, and P.H. Stauffer, eds., *U.S. Geol. Surv. Prof. Paper 1350*, 1589-1602, Greeley, R.
141. 1987, Geologic Map of the Eastern Equatorial Region of Mars, *U.S. Geol. Survey Map I-1802-B*, Greeley, R. and J.E. Guest.
142. 1987, Measurements of Wind Friction Speeds Over Lava Surfaces and Assessment of Sediment Transport, *Geophys. Res. Lett.*, *14*, 925-928, Greeley, R. and J.D. Iversen.
143. 1987, Exploring the Planets, Morrison, D., ed., in *Yearbook of Science and the Future 1988*, *Encyclopedia Britannica*, Chicago, 58-71, Greeley, R. and J.M. Moore.
144. 1987, *Experiments in Planetary and Related Sciences and the Space Station*, NASA CP 2494, 117 pp, Greeley, R. and R.J. Williams, eds.
145. 1987, Effects of Elevation and Ridged Plains Thicknesses on Martian Crater Ejecta Morphology, Proc. Lunar Planet. Sci. Conf. 17th, in *J. Geophys. Res.*, *92*, E561-E569, Horner, V.M. and R. Greeley.
146. 1987, Talemzane: Algerian Impact Crater Detected on SIR-A Orbital Imaging Radar, *Meteoritics*, *22*, 253-264, McHone, J.F. and R. Greeley.
147. 1987, Radar Characteristics of Small Craters: Implications for Venus, *Earth, Moon, and Planets*, *37*, 89-111, Greeley, R., P.R. Christensen, and J.F. McHone.
148. 1987, Aeolian Saltation Threshold: The Effect of Density Ratio, *Sedimentology*, *34*, 699-706, Iversen, J.D., R. Greeley, J.R. Marshall, and J.B. Pollack.
149. 1987, Physical and Chemical Modification of the Surface of Venus by Windblown Particles, *Nature*, *327*, 313-315, Greeley, R., J.R. Marshall, and J.B. Pollack.
150. 1987, Dunes of the Gran Desierto Sand-Sea, Sonora, Mexico, *Earth Surface Processes and Landforms*, *12*, 277-288, Lancaster, N., R. Greeley, and P.R. Christensen.
151. 1987, Saltation Threshold Experiments Conducted Under Reduced Gravity Conditions, *Amer. Inst. Aeronautics and Astronautics*, AIAA-87-0621, 9 p., White, B.R., R.N. Leach, R. Greeley, and J.D. Iversen.
152. 1987, Columbia and Snake River Plains, in *Geomorphic Systems of North America*, Centennial Special, vol. 2, *Geol. Soc. Amer.*, 403-468, Baker, V.R., R. Greeley, P.D. Komar, D.A. Swanson, and R.B. Waitt, Jr.
153. 1987, Planetary Science, in *Microgravity Particle Research on the Space Station*, Squyres, S.W., C.P. McKay, and D.E. Schwartz, eds., NASA CP-2496, 11-18, Marshall, J.R., F. Bridges, D. Gault, R. Greeley, H. Huopis, D. Lin, and S. Weidenschilling.
154. 1988, Thickness and Volume of Mare Deposits in Tsiolkovsky, Lunar Farside, *Lunar Planet. Sci. Conf. 18th*, 331-337, Craddock, R.A. and R. Greeley.
155. 1988, Radar Observations of Basaltic Lava Flows, Craters of the Moon, Idaho, *Int. J. Remote Sensing*, *9*, 1071-1085, Greeley, R. and L. Martel.
156. 1988, Wind Abrasion: Earth, Mars and Venus, in *Proc. 1988 Wind Erosion Conference*, Lubbock, TX, 48-53, Greeley, R. and S.H. Williams.

157. 1988, NASA Mars Project: Evolution of Climate and Atmosphere, *EOS Trans. Amer. Geophys. Union*, 69, 1585, 1595-1596, Clifford, S.M., R. Greeley, and R.M. Haberle.
158. 1988, Scientific Results of the NASA-Sponsored Study Project on Mars: Evolution of its Climate and Atmosphere, *LPI Tech. Rept.*, 88-09, 33 pp., Lunar and Planetary Institute, Houston, Clifford, S.M., R. Greeley, and R.M. Haberle, eds.
159. 1988, Geologic Map of the Ra Patera Area of Io, *U.S. Geol. Surv. Map I-1949*, Greeley, R., P.D. Spudis, and J.E. Guest.
160. 1988, Geologic Map of the Uruk Sulcus Quadrangle of Ganymede, *U.S. Geol. Surv. Map I-1934*, Guest, J.E., R. Bianchi, and R. Greeley.
161. 1988, The Formation of Hadley Rille and Implications for the Geology of the Apollo 15 Region, *Lunar Planet. Sci. Conf. 18th*, 243-254, Spudis, P.D., G.A. Swann, and R. Greeley.
162. 1988, Aeolian Weathering of Venusian Surface Materials: Preliminary Results from Laboratory Simulations, *Icarus*, 74, 495-515, Marshall, J.R., R. Greeley, D.W. Tucker, and J.B. Pollack.
163. 1988, The Resurfacing History of Mars: A Synthesis of Digitized, Viking-Based Geology, *Lunar Planet. Sci. Conf. 18th*, 665-678, Tanaka, K.L., N.K. Isbell, D.H. Scott, R. Greeley, and J.E. Guest.
164. 1988, Workshop on Mars Sample Return Science, *LPI Tech. Rept. 88-07*, 196 pp., Drake, M.J., R. Greeley, G.A. McKay, D.P. Blanchard, M.H. Carr, J. Gooding, C.P. McKay, P.D. Spudis, and S.W. Squyres, eds.
165. 1988, A Relationship Between Radar Backscatter and Aerodynamic Roughness: Preliminary Results, *Geophys. Res. Lett.*, 15, 565-568, Greeley, R., N. Lancaster, R.J. Sullivan, R.S. Saunders, E. Theilig, S. Wall, A. Dobrovolskis, B.R. White, and J.D. Iversen.
166. 1989, Shuttle Radar Images of Wind Streaks in the Altiplano, Bolivia, *Geology*, 17, 665-668, Greeley, R., P. Christensen, and R. Carrasco.
167. 1989, Saltation Thresholds and Entrainment of Fine Particles at Earth and Martian Pressures, *NASA TM-102193*, 38 pp., Leach, R., R. Greeley, and J. Pollack.
168. 1989, Geologic Map of the Ruwa Patera Quadrangle of Io (Ji2), *U.S. Geol. Surv. Map I-1980*, Schaber, G.G., D.H. Scott, and R. Greeley.
169. 1990, Mars Landing Site Catalog, *NASA Ref. Publ. 1238*, 194 pp., Greeley, R., ed.
170. 1990, Volcanism in Northwest Ishtar Terra, Venus, *Icarus*, 87, 327-338, Gaddis, L.R. and R. Greeley.
171. 1990, Aeolian Processes on Venus, *Earth, Moon and Planets*, 50/51, 127-157, Greeley, R. and R. Arvidson.
172. 1990, Volcanic Geology of Tyrrhena Patera, Mars, *J. Geophys. Res.*, 95, 7133-7149, Greeley, R. and D.A. Crown.
173. 1990, Sediment Volume in the North Polar Sand Seas of Mars, *J. Geophys. Res.*, 95, 10,921-10,927, Lancaster, N. and R. Greeley.

174. 1990, Evidence for an Ancient Impact Basin in Daedalia Planum, Mars, *J. Geophys. Res.*, 95, 10,729-10,741, Craddock, R.A., R. Greeley, and P.R. Christensen.
175. 1990, Observations of Industrial Sulfur Flows: Implications for Io, *Icarus*, 84, 374-402, Greeley, R., S.W. Lee, D.A. Crown, and N. Lancaster.
176. 1990, Large-Scale Patterns of Eolian Sediment Transport on Venus: Predictions for Magellan, *Geophys. Res. Lett.*, 17, 1365-1368, Saunders, R.S., A.R. Dobrovolskis, R. Greeley, and S.D. Wall.
177. 1990, Regional Aeolian Dynamics and Sand Mixing in the Gran Desierto: Evidence from Landsat Thematic Mapper Images, *J. Geophys. Res.*, 95, 15,463-15,482, Blount, G., M.O. Smith, J.B. Adams, R. Greeley, and P.R. Christensen.
178. 1991, Lava Tubes in the Solar System, *6th International Symposium on Vulcanospeleology*, Hilo, Hawaii, 223-230, Greeley, R.
179. 1991, Sand and Dust on Mars, *NASA CP 10074*, 61 p., Greeley, R. and R.M. Haberle, eds.
180. 1991, Magma Generation on Mars: Amounts, Rates, and Comparisons with Earth, Moon, and Venus, *Science*, 254, 996-998, Greeley, R. and B.D. Schneid.
181. 1991, Interaction Between Unvegetated Desert Surfaces and the Atmospheric Boundary Layer: A Preliminary Assessment, *Acta Mechanica*, 2, 89-102, Lancaster, N., R. Greeley, and K.R. Rasmussen.
182. 1991, The Formation of Terrains Antipodal to Major Impacts, *Icarus*, 93, 159-168, Watts, A.W., R. Greeley, and H.J. Melosh.
183. 1991, Discrimination of Active and Inactive Sand from Remote Sensing: Kelso Dunes, Mojave Desert, California, *Remote Sens. Environ.*, 37, 153-166, Paisley, E.C.I., N. Lancaster, L.R. Gaddis, and R. Greeley.
184. 1991, Venus: Concentrations of Radar-Reflective Minerals by Wind, *Icarus*, 90, 123-128, Greeley, R., J.R. Marshall, D. Clemens, A.R. Dobrovolskis, and J.B. Pollack.
185. 1991, Adhesion and Abrasion of Surface Materials in the Venusian Aeolian Environment, *J. Geophys. Res.*, 96, 1931-1947, Marshall, J.R., G. Fogleman, R. Greeley, R. Hixon, and D. Tucker.
186. 1991, Assessment of Aerodynamic Roughness via Airborne Radar Observations, *Acta Mechanica*, 2, 77-88, Greeley, R., L. Gaddis, N. Lancaster, A. Dobrovolskis, J. Iversen, K. Rasmussen, S. Saunders, J. VanZyl, S. Wall, H. Zebker, and B. White.
187. 1991, Radar-Aeolian Roughness Project, *NASA CR 4378*, 125 p., Greeley, R., A. Dobrovolskis, L. Gaddis, J. Iversen, N. Lancaster, R. Leach, K. Rasmussen, S. Saunders, J. VanZyl, S. Wall, B. White, and H. Zebker.
188. 1991, Images from Galileo of the Venus Cloud Deck, *Science*, 253, 1531-1536, Belton, M.J.S., P.J. Gierasch, M.D. Smith, P. Helfenstein, P.J. Schinder, J.B. Pollack, K.A. Rages, A.P. Ingersoll, K.P. Klaasen, J. Veverka, C.D. Anger, M.H. Carr, C.R. Chapman, M.E. Davies, F.P. Fanale, R. Greeley, R. Greenberg, J.W. Head III, D. Morrison, G. Neukum, and C.B. Pilcher.

189. 1992, An Experimental Study of Aeolian Structures on Venus, *J. Geophys. Res.*, 97, 1007-1016, Marshall, J.R. and R. Greeley.
190. 1992, Aerodynamic Roughness Measured in the Field and Simulated in a Wind Tunnel, *NASA CR 4422*, 50 p., Sullivan, R. and R. Greeley.
191. 1992, A Comparison of LOWTRAN-7 Corrected Airborne Visible/Infrared Imaging Spectrometer (AVIRIS) Data with Ground Spectral Measurements, *Summaries of the Third Annual JPL Airborne Geoscience Workshop, 1*, 144-146, Xu, P. and R. Greeley.
192. 1992, Geologic Evolution of the East Rim of the Hellas Basin, Mars, *Icarus*, 100, 1-25, Crown, D.A., K.H. Price, and R. Greeley.
193. 1992, New Airborne Imaging Radar Observations of Sand Dunes: Kelso Dunes, California, *Remote Sens. Environ.*, 39, 233-238, Lancaster, N., L. Gaddis, and R. Greeley.
194. 1992, Global Stratigraphy, in *Mars*, Kieffer, H.H. and B. Jakosky, eds., University of Arizona Press, p. 345-382, Tanaka, K.L., D.H. Scott, and R. Greeley.
195. 1992, Geologic Map of Io, *U.S. Geol. Surv. Map I-2209*, Crown, D.A., R. Greeley, R.A. Craddock, and G.G. Schaber.
196. 1992, Martian Aeolian Processes, Sediments, and Features, in *Mars*, Kieffer, H.H. and B. Jakosky (eds.), Univ. of Arizona Press, p. 730-766, Greeley, R., N. Lancaster, S. Lee, and P. Thomas.
197. 1992, Geologic Maps of the Western Equatorial, Eastern Equatorial and Polar Region of Mars, *U.S. Geol. Surv. Map I-1802-A-B-C*, Scott, D.H., K.L. Tanaka, R. Greeley, and J.E. Guest.
198. 1992, Volatile History of Mangala Valles, Mars, *J. Geophys. Res.*, 97, 18,309-18,317, Zimbelman, J.R., R.A. Craddock, R. Greeley, and R.O. Kuzmin.
199. 1992, Surface Modification of Venus as Inferred from Magellan Observations of Plains, *J. Geophys. Res.*, 97, 13,303-13,317, Arvidson, R.E., R. Greeley, M.C. Malin, R.S. Saunders, N. Izenberg, J.J. Plaut, E. Stofan, and M.K. Shepard.
200. 1992, Small Volcanic Edifices and Volcanism in the Plains of Venus, *J. Geophys. Res.*, 97, 15,949-15,966, Guest, J.E., M.H. Bulmer, J. Aubele, K. Beratan, R. Greeley, J.W. Head, G.A. Michaels, C. Weitz, and C. Wiles.
201. 1992, Aeolian Features on Venus: Preliminary Magellan Results, *J. Geophys. Res.*, 97, 13,319-13,345, Greeley, R., R.E. Arvidson, C. Elachi, M.A. Geringer, J.J. Plaut, R.S. Saunders, G. Schubert, E.R. Stofan, E.J.P. Thouvenot, S.D. Wall, and C.M. Weitz.
202. 1992, Lunar Impact Basins and Crustal Heterogeneity: New Western Limb and Far Side Data from Galileo, *Science*, 255, 570-576, Belton, M.J.S., J.W. Head III, C.M. Pieters, R. Greeley, A.S. McEwen, G. Neukum, K.P. Klaasen, C.D. Anger, M.H. Carr, C.R. Chapman, M.E. Davies, F.P. Fanale, P.J. Gierasch, R. Greenberg, A.P. Ingersoll, T. Johnson, B. Paczkowski, C.B. Pilcher, J. Veverka.
203. 1992, Imaging of Venus from Galileo: Early Results and Camera Performance, *Adv. Space Res.*, 12, 91-103, Belton, M.J.S., P. Gierasch, K.P. Klaasen, C.D. Anger, M.H. Carr, C.R. Chapman, M.E. Davies, R. Greeley, R. Greenberg, J.W. Head, G. Neukum, C.B. Pilcher, J.

- Veverka, F.P. Fanale, A.P. Ingersoll, J.B. Pollack, D. Morrison, M.C. Clary, W. Cunningham, and H. Breneman.
204. 1992, Galileo Encounter with 951 Gaspra: First Pictures of an Asteroid, *Science*, 257, 1647-1652, Belton, M.J.S., J. Veverka, P. Thomas, P. Helfenstein, D. Simonelli, C. Chapman, M.E. Davies, R. Greeley, R. Greenberg, J. Head, S. Murchie, K. Klaasen, T.V. Johnson, A. McEwen, D. Morrison, G. Neukum, F. Fanale, C. Anger, M. Carr, and C. Pilcher.
205. 1992, The Galileo Solid-State Imaging Experiment, *Space Science Reviews*, 60, 413-455, Belton, M.J.S., K.P. Klaasen, M.C. Clary, J.L. Anderson, C.D. Anger, M.H. Carr, C.R. Chapman, M.E. Davies, R. Greeley, D. Anderson, L.K. Bolef, T.E. Townsend, R. Greenberg, J.W. Head III, G. Neukum, C.B. Pilcher, J. Veverka, P.J. Gierasch, F.P. Fanale, A.P. Ingersoll, H. Masursky, D. Morrison, and J.B. Pollack.
206. 1993, AIRSAR views of Aeolian terrain, *4th Ann. JPL Airborne Geosci. Workshop*, 3, 9-12, Blumberg, D.G. and R. Greeley.
207. 1993, Field Studies of Aerodynamic Roughness Length, *J. of Arid Env.*, 25, 39-48, Blumberg, D.G. and R. Greeley.
208. 1993, Volcanic Geology of Hadriaca Patera and the Eastern Hellas Region of Mars, *J. Geophys. Res.*, 98, 3431-3451, Crown, D.A. and R. Greeley.
209. 1993, Formation of Venusian Canali: Considerations of Lava Types and their Thermal Behaviors, *J. Geophys. Res.*, 98, 10,873-10,882, Gregg, T.K.P., and R. Greeley.
210. 1993, Comparison of Aerodynamic Roughness Measured in a Field Experiment and in a Wind Tunnel Simulation, *J. Wind Eng. Ind. Aerodyn.*, 48, 25-50, Sullivan, R. and R. Greeley.
211. 1993, Laboratory Spectra of Field Samples as a Check on Two Atmospheric Correction Methods, *4th Ann. JPL Airborne Geosci. Workshop*, 1, 201-204, Xu, P. and R. Greeley.
212. 1993, Martian Aeolian Features and Deposits: Comparisons with General Circulation Model Results, *J. Geophys. Res.*, 98, 3183-3196, Greeley, R., A. Skyepeck, and J.B. Pollack.
213. 1993, Assessment of Aerodynamic Roughness over a Vegetated Surface Using Radar Backscatter, Proc. 25th International Symposium, *Remote Sensing and Global Environ. Change, Environmental Res. Inst. of Michigan*, 1, I-161-I-171, Rasmussen, K.R., S. Wall, R. Greeley, D.G. Blumberg, and H.E. Mikkelsen.
214. 1993, Lunar Impact Basins: New Data for the Western Limb and Far Side (Orientale and South Pole-Aitken Basins) from the First Galileo Flyby, *J. Geophys. Res.*, 98, 17,149-17,181, Head, J.W., S. Murchie, J.F. Mustard, C.M. Pieters, G. Neukum, A. McEwen, R. Greeley, E. Nagel, and M.J.S. Belton.
215. 1993, Characterization of Lava-Flow Degradation in the Pishgah and Cima Volcanic Fields, California, Using Landsat Thematic Mapper and AIRSAR Data, *Geol. Soc. Amer. Bull.*, 105, 175-188, Arvidson, R.E., M.K. Shepard, E.A. Guinness, S.B. Petroy, J.J. Plaut, D.L. Evans, T.G. Farr, R. Greeley, N. Lancaster, and L.R. Gaddis.
216. 1993, Crustal Diversity of the Moon: Compositional Analyses of Galileo Solid State Imaging Data, *J. Geophys. Res.*, 98, 17,127-17,148, Pieters, C.M., J.W. Head, J.M.

- Sunshine, E.M. Fischer, S.L. Murchie, M. Belton, A. McEwen, L. Gaddis, R. Greeley, G. Neukum, R. Jaumann, and H. Hoffmann.
217. 1993, Galileo Imaging Observations of Lunar Maria and Related Deposits, *J. Geophys. Res.*, 98, 17,183-17,205, Greeley, R., S.D. Kadel, D.A. Williams, L.R. Gaddis, J.W. Head, A.S. McEwen, S.L. Murchie, E. Nagel, G. Neukum, C.M. Pieters, J.M. Sunshine, R. Wagner, and M.J.S. Belton.
218. 1994, Geologic Map of the MTM-20147 Quadrangle, Mangala Valles Region of Mars, *U.S. Geol. Surv. Map I-2310*, Craddock, R.A. and R. Greeley.
219. 1994, Mars Landing Site Catalog, 2nd Edition, *NASA Ref. Publ. 1238*, 392 p., Greeley, R. and P.E. Thomas, eds.
220. 1994, Dust Deposits on Mars: The "Parna" Analog, *Icarus*, 110, 165-177, Greeley, R. and S.H. Williams.
221. 1994, Reply, *J. Geophys. Res.*, 99, 17,165-17,167, Gregg, T.K.P., and R. Greeley.
222. 1994, Assessment of Antipodal-Impact Terrains on Mars, *Icarus*, 110, 196-202, Williams, D.A. and R. Greeley.
223. 1994, Windblown Sand on Venus: The Effect of High Atmospheric Density, *Geophys. Res. Letters*, 21, 2825-2828, Williams, S.H. and R. Greeley.
224. 1994, Geologic Map of the MTM-15147 Quadrangle, Mangala Valles Region of Mars, *U.S. Geol. Surv. Map I-2402*, Zimbelman, J.R., R.A. Craddock, and R. Greeley.
225. 1994, Dunes and Microdunes on Venus: Why were so few found in the Magellan Data?, *Icarus*, 112, 282-295, Weitz, C.M., J.J. Plaut, R. Greeley, and R.S. Saunders.
226. 1994, Wind Streaks on Venus: Clues to Atmospheric Circulation, *Science*, 263, 358-361, Greeley, R., G. Schubert, D. Limonadi, K.C. Bender, W.I. Newman, P.E. Thomas, C.M. Weitz, and S.D. Wall.
227. 1994, Discovery of Grooves on Gaspra, *Icarus*, 107, 72-83, Veverka, J., P. Thomas, D. Simonelli, M.J.S. Belton, M. Carr, C. Chapman, M.E. Davies, R. Greeley, R. Greenberg, J. Head, K. Klaasen, T.V. Johnson, D. Morrison, and G. Neukum.
228. 1994, First Images of Asteroid 243 Ida, *Science*, 265, 1543-1547, Belton, M.J.S., C.R. Chapman, J. Ververka, K.P. Klaasen, A. Harch, R. Greeley, R. Greenberg, J.W. Head III, A. McEwen, D. Morrison, P.C. Thomas, M.E. Davies, M.H. Carr, G. Neukum, F.P. Fanale, D.R. Davis, C. Anger, P.J. Gierasch, A.P. Ingersoll, and C.B. Pilcher.
229. 1994, Galileo Multispectral Imaging of the North Polar and Eastern Limb Regions of the Moon, *Science*, 264, 1112-1115, Belton, M.J.S., R. Greeley, R. Greenberg, A. McEwen, K.P. Klaasen, J.W. Head III, C. Pieters, G. Neukum, C.R. Chapman, P. Geissler, C. Heffernan, H. Breneman, C. Anger, M.H. Carr, M.E. Davies, F.P. Fanale, P.J. Gierasch, A.P. Ingersoll, T.V. Johnson, C.B. Pilcher, W.R. Thompson, J. Veverka, and C. Sagan.
230. 1995, Geology of Terrestrial Planets with Dynamic Atmospheres, *Earth, Moon, and Planets*, 67, 13-29, Greeley, R.

231. 1995, Preliminary Analysis of Shuttle Radar Laboratory (SRL-1) Data to Study Aeolian Features and Processes, *IEEE Transactions on Geoscience and Remote Sensing*, 33, 927-933, Greeley, R. and D.G. Blumberg.
232. 1995, A Review of the Origins of Subparallel Ridges and Troughs: Generalized Morphological Predictions from Terrestrial Models, *J. Geophys. Res.*, 100, 18,985-19,007, Pappalardo, R.T. and R. Greeley.
233. 1995, Site Selection for Mars Exobiology, *Advances in Space Research*, 15, 157-162, Farmer, J., D. Des Marais, R. Greeley, R. Landheim, and H. Klein.
234. 1995, Emplacement of Xenolith Nodules in the Kaupulehu Lava Flow, Hualalai Volcano, Hawaii, *Bull Volcanol*, 57, 179-184, Guest, J.E., P.D. Spudis, R. Greeley, G.J. Taylor, and S.M. Baloga.
235. 1995, Multispectral Studies of Western Limb and Farside Maria from Galileo Earth-Moon Encounter 1, *J. Geophys. Res.*, 100, 23,291-23,299, Williams, D.A., R. Greeley, G. Neukum, R. Wagner, and S.D. Kadel.
236. 1995, Wind-Related Features and Processes on Venus: Summary of Magellan Results, *Icarus*, 115, 399-420, Greeley, R., K. Bender, P.E. Thomas, G. Schubert, D. Limonadi, and C.M. Weitz.
237. 1995, Potential Transport of Windblown Sand: Influence of Surface Roughness and Assessment with Radar Data, in *Desert Aeolian Processes*, London, pp. 75-99, Greeley, R., D.G. Blumberg, A.R. Dobrovolskis, L.R. Gaddis, J.D. Iversen, N. Lancaster, K.R. Rasmussen, R.S. Saunders, S.D. Wall, and B.R. White.
238. 1995, The Galileo Imaging Team Plan for Observing the Satellites of Jupiter, *J. Geophys. Res.*, 100, 18,935-18,955, Carr, M.H., M.J.S. Belton, K. Bender, H. Breneman, R. Greeley, J.W. Head, K.P. Klaasen, A.S. McEwen, J.M. Moore, S. Murchie, R.T. Pappalardo, J. Plutchak, R. Sullivan, G. Thornhill, and J. Veverka.
239. 1996, Mars sample return: Goals for geology, *LPI Tech. Rept. 97-01*, 69-72, Greeley, R.
240. 1996, A comparison of general circulation model predictions to sand drift and dune orientations. *J. of Climate*, 9, 3,248-3,259, Blumberg, D.G. and R. Greeley.
241. 1996, Field Measurements of the Flux and Speed of Wind-Blown Sand, *Sedimentology*, 43, 41-52, Greeley, R., D.G. Blumberg, and S.H. Williams.
242. 1996, The Mars Aerial Platform (MAP) Concept, *American Institute of Aeronautics and Astronautics*, AIAA 96-0335, 8 p., Greeley, R., P.R. Christensen, J. Cantrell, B.C. Clark, R.S. Price, R.M. Zubrin, J.A. Cutts, R.E. Oberto, R.M. Haberle, and M.C. Malin.
243. 1996, Ejecta Blocks on 243 Ida and on Other Asteroids, *Icarus*, 120, 87-105, Lee, P., J. Veverka, P.C. Thomas, P. Helfenstein, M.J.S. Belton, C.R. Chapman, R. Greeley, R.T. Pappalardo, R. Sullivan, and J.W. Head III.
244. 1996, Geology of 243 Ida, *Icarus*, 120, 119-139, Sullivan, R., R. Greeley, R. Pappalardo, E. Asphaug, J.M. Moore, D. Morrison, M.J.S. Belton, M. Carr, C.R. Chapman, P. Geissler, R. Greenberg, J. Granahan, J.W. Head III, R. Kirk, A. McEwen, P. Lee, P.C. Thomas, and J. Veverka.

245. 1996, Galileo's First Images of Jupiter and the Galilean Satellites, *Science*, 274, 377-385, Belton, M.J.S., J.W. Head III, A.P. Ingersoll, R. Greeley, A.S. McEwen, K.P. Klaasen, D. Senske, R. Pappalardo, G. Collins, A.R. Vasavada, R. Sullivan, D. Simonelli, P. Geissler, M.H. Carr, M.E. Davies, J. Veverka, P.J. Gierasch, D. Banfield, M. Bell, C.R. Chapman, C. Anger, R. Greenberg, G. Neukum, C.B. Pilcher, R.F. Beebe, J.A. Burns, F. Fanale, W. Ip, T.V. Johnson, D. Morrison, J. Moore, G.S. Orton, P. Thomas, and R.A. West.
246. 1997, On the estimation of aerodynamic roughness of desert, *Aarhus Geoscience*, 7, 61-71, Rasmussen, K.R., J. McHone, R. Greeley, and K.K. Williams.
247. 1997, Extensional tilt blocks on Miranda: Evidence for an upwelling origin of Arden Corona, *J. Geophys. Res.*, 102, 13,369-13,379, Pappalardo, R.T., S.J. Reynolds, and R. Greeley.
- 248.** 1997, Applications of spaceborne radar laboratory data to the study of aeolian processes, *J. Geophys. Res.*, 102, 10,971-10,983, Greeley, R., D.G. Blumberg, J.F. McHone, A. Dobrovolskis, J.D. Iversen, N. Lancaster, K.R. Rasmussen, S.D. Wall, and B.R. White.
249. 1997, The Imager for Mars Pathfinder experiment, *J. Geophys. Res.*, 102, 4003-4025, Smith, P.H., M.G. Tomasko, D. Britt, D.G. Crowe, R. Reid, H.U. Keller, N. Thomas, F. Gliem, P. Rueffer, R. Sullivan, R. Greeley, J.M. Knudsen, B.M. Madsen, H.P. Gunnlaugsson, S.F. Hviid, W. Goetz, L.A. Soderblom, L. Gaddis, and R. Kirk.
250. 1997, The general circulation of the Venus atmosphere: An assessment, in *Venus II: Geology, geophysics, atmosphere, and solar wind environment*, Bougher, S.W., D.M. Hunten, and R.J. Phillips, editors. Tucson: University of Arizona Press, 459-500, Gierasch, P.J., R.M. Goody, R.E. Young, D. Crisp, C. Edwards, R. Kahn, D. McCleese, D. Rider, A. Del Genio, R. Greeley, A. Hou, C.B. Leovy, and M. Newman.
251. 1997, Aeolian processes and features on Venus, in *Venus II: Geology, geophysics, atmosphere, and solar wind environment*, S.W. Bougher, D.M. Hunten, and R.J. Phillips, editors. Tucson: University of Arizona Press, 547-589, Greeley, R., K.C. Bender, R.S. Saunders, G. Schubert, and C.M. Weitz.
252. 1997, The partially watery world of Europa, one of Jupiter's Moons, *Earth in Space (AGU)*, 10, 11-14, Greeley, R.
253. 1997, Results from the Pathfinder camera, *Science*, 278, 1758-1765, Smith, P.H., J.F. Bell III, N.T. Bridges, D.T. Britt, L. Gaddis, R. Greeley, H.U. Keller, K.E. Herkenhoff, R. Jaumann, J.R. Johnson, R.L. Kirk, M. Lemmon, J.N. Maki, M.C. Malin, S.L. Murchie, J. Oberst, T.J. Parker, R.J. Reid, L.A. Soderblom, C. Stoker, R. Sullivan, N. Thomas, M.G. Tomasko, and E. Wegryn.
254. 1997, Geology of Europa: Galileo update, *The Three Galileos: The man, the spacecraft, the telescope*, C. Barbieri et al. (eds.), 191-200, Greeley, R.
255. 1997, Geologic map of Callisto, *U.S. Geological Survey*, Map I-2581, Bender, K.C., J.W. Rice, D.E. Wilhelms, and R. Greeley.
256. 1997, Aeolian behavior of dust in a simulated Martian environment, *J. Geophys. Res.*, 102, 25629-25640, White, B.R., B.M. Lacchia, R. Greeley, and R.N. Leach.

257. 1997, Development of a geoscience-based mission strategy for an aerobot traverse of the Martian Northern Plains, *Open-File Report 97-29, U.S. Department of the Interior Geological Survey*, 12 p., Tanaka, K.L., J.M. Dohm, R.L. Kirk, K.T. Nock, M.K. Heun, R. Greeley, J.E. Blamont, and R.A. Craddock.
258. 1998, Evidence for a subsurface ocean on Europa, *Nature*, 391, 363-365, Carr, M.H., M.J.S. Belton, C.R. Chapman, M.E. Davies, P. Geissler, R. Greenberg, A.S. McEwen, B.R. Tufts, R. Greeley, R. Sullivan, J.W. Head, R.T. Pappalardo, K.P. Klaasen, T.V. Johnson, J. Kaufman, D. Senske, J. Moore, G. Neukum, G. Schubert, J.A. Burns, P. Thomas, and J. Veverka.
259. 1998, Evidence for non-synchronous rotation of Europa, *Nature*, 391, 368-370, Geissler, P.E., R. Greenberg, G. Hoppa, P. Helfenstein, A. McEwen, R. Pappalardo, R. Tufts, M. Ockert-Bell, R. Sullivan, R. Greeley, M.J.S. Belton, T. Denk, B. Clark, J. Burns, J. Veverka, and the Galileo Imaging Team.
260. 1998, Episodic plate separation and fracture infill on the surface of Europa, *Nature*, 391, 371-373, Sullivan, R., R. Greeley, K. Homan, J. Klemaszewski, M.J.S. Belton, M.H. Carr, C.R. Chapman, R. Tufts, J.W. Head, R. Pappalardo, J. Moore, and P. Thomas.
261. 1998, Geological evidence for solid-state convection in Europa's ice shell, *Nature*, 391, 365-368, Pappalardo, R.T., J.W. Head, R. Greeley, R.J. Sullivan, C. Pilcher, G. Schubert, W. Moore, M.H. Carr, J.M. Moore, M.J.S. Belton, and D.L. Goldsby.
262. 1998, Duration of the Ma'adim Vallis/Gusev Crater hydrogeologic system, Mars, *Icarus*, 133, 98-108, Cabrol, N.A., E.A. Grin, R. Landheim, R.O. Kuzmin, and R. Greeley.
263. 1998, Europa: Initial Galileo geological observations, *Icarus*, 135, 4-24, Greeley, R., R. Sullivan, J. Klemaszewski, K. Homan, J.W. Head III, R.T. Pappalardo, J. Veverka, B.E. Clark, T.V. Johnson, K.P. Klaasen, M. Belton, J. Moore, E. Asphaug, M.H. Carr, G. Neukum, T. Denk, C.R. Chapman, C.B. Pilcher, P.E. Geissler, R. Greenberg, and R. Tufts.
264. 1998, Terrestrial sea ice morphology: Considerations for Europa, *Icarus*, 135, 25-40, Greeley, R., R. Sullivan, M.D. Coon, P.E. Geissler, B.R. Tufts, J.W. Head III, R.T. Pappalardo, and J.M. Moore.
265. 1998, Galileo observations of Europa's opposition effect, *Icarus*, 135, 41-63, Helfenstein, P., N. Currier, B.E. Clark, J. Veverka, M. Bell, R. Sullivan, R. Greeley, R.T. Pappalardo, J.W. Head III, T. Jones, K. Klaasen, K. Magee, P. Geissler, R. Greenberg, A. McEwen, C. Phillips, T. Colvin, M. Davies, T. Denk, G. Neukum, and M.J.S. Belton.
266. 1998, Tectonic processes on Europa: Tidal stresses, mechanical response, and visible features, *Icarus*, 135, 64-78, Greenberg, R., P. Geissler, G. Hoppa, B.R. Tufts, D.D. Durda, R. Pappalardo, J.W. Head, R. Greeley, R. Sullivan, and M.H. Carr.
267. 1998, Multispectral terrain analysis of Europa from Galileo images, *Icarus*, 135, 95-106, Clark, B.E., P. Helfenstein, J. Veverka, M. Ockert-Bell, R.J. Sullivan, P.E. Geissler, C.B. Phillips, A.S. McEwen, R. Greeley, G. Neukum, T. Denk, K. Klaasen, and the Galileo SSI Team.

268. 1998, Evolution of lineaments on Europa: Clues from Galileo multispectral imaging observations, *Icarus*, 135, 107-126, Geissler, P.E., R. Greenberg, G. Hoppa, A. McEwen, R. Tufts, C. Phillips, B. Clark, M. Ockert-Bell, P. Helfenstein, J. Burns, J. Veverka, R. Sullivan, R. Greeley, R.T. Pappalardo, J.W. Head III, M.J.S. Belton, and T. Denk.
269. 1998, Large impact features on Europa: Results of the Galileo nominal mission, *Icarus*, 135, 127-145, Moore, J.M., E. Asphaug, R.J. Sullivan, J.E. Klemaszewski, K.C. Bender, R. Greeley, P.E. Geissler, A.S. McEwen, E.P. Turtle, C.B. Phillips, B.R. Tufts, J.W. Head III, R.T. Pappalardo, K.B. Jones, C.R. Chapman, M.J.S. Belton, R.L. Kirk, and D. Morrison.
270. 1998, Grooved terrain on Ganymede: First results from Galileo high-resolution imaging, *Icarus*, 135, 276-302, Pappalardo, R.T., J.W. Head, G.C. Collins, R.L. Kirk, G. Neukum, J. Oberst, B. Giese, R. Greeley, C.R. Chapman, P. Helfenstein, J.M. Moore, A. McEwen, B.R. Tufts, D.A. Senske, H.H. Breneman, and K. Klaasen.
271. 1998, Dark terrain on Ganymede: Geological mapping and interpretation of Galileo regio at high resolution, *Icarus*, 135, 317-344, Prockter, L.M., J.W. Head, R.T. Pappalardo, D.A. Senske, G. Neukum, R. Wagner, U. Wolf, J. Oberst, B. Giese, J.M. Moore, C.R. Chapman, P. Helfenstein, R. Greeley, H.H. Breneman, and M.J.S. Belton.
272. 1998, Estimates of ice thickness in the Conamara Chaos region of Europa, *Geophys. Res. Ltrs.*, 25, 4273-4276, Williams, K.K. and R. Greeley.
273. 1998, Geologic map of part of Tyrrhena Patera region of Mars (MTM Quadrangle –20252), *U.S. Geol. Surv.* I-2556, Gregg, T.K.P., D.A. Crown, and R. Greeley.
274. 1998, The exploration of near-Earth objects, *Space Studies Board, National Research Council*, National Academy Press, 32 pp., Greeley, R. (chair), et al.
275. 1998, Erosion by flowing lava: field evidence, *J. Geophys. Res.*, 103, 27,325-27,345, Greeley, R., S.A. Fagents, R.S. Harris, S.D. Kadel, D.A. Williams, and J.E. Guest.
276. 1998, Galileo spacecraft views of Europa, in *Highlights of Astronomy, 11B*, Andersen, J. (Ed.), 1082-1086, Greeley, R and the Galileo Imaging Team.
277. 1998, Exploring the trans-Neptunian Solar System, Space Studies Board, National Research Council, National Academy Press, 48 pp., Greeley, R. (chair), et al.
278. 1999, Europa, in *The New Solar System*, 4th Ed., Beatty, J.K., Petersen, C.C., and Chaikin, A. (Eds.), Sky Publishing Company, Massachusetts and Cambridge University Press, Cambridge, pp. 253-262, Greeley, R.
279. 1999, Aeolian features and processes at the Mars Pathfinder landing site, *J. Geophys. Res.*, 104, 8573-8584, Greeley R., M. Kraft, R. Sullivan, G. Wilson, N. Bridges, K. Herkenhoff, R.O. Kuzmin, M. Malin, and W. Ward (with correction in *J. Geophys. Res.*, 104, 22,065).
280. 1999, Geology of Xanthe Terra outflow channels and the Mars Pathfinder landing site, *J. Geophys. Res.*, 104, 8653-8669, Nelson, D.M. and R. Greeley.
281. 1999, Overview of Mars Pathfinder mission: Launch through landing, surface operations, data sets, and science results, *J. Geophys. Res.* 104, 8523-8553, Golombek, M.P., R.C. Anderson, J.R. Barnes, J.F. Bell III, N.T. Bridges, D.T. Britt, J. Brückner, R.A. Cook, D. Crisp, J. Crisp, T. Economou, W.M. Folkner, R. Greeley, R.M. Haberle, R.B. Hargraves,

- J.A. Harris, A.F.C. Haldemann, K.E. Herkenhoff, S.F. Hviid, R. Jaumann, J.R. Johnson, P.H. Kallemeyn, H.U. Keller, R.L. Kirk, J.M. Knudsen, S. Larsen, M. Lemmon, M.B. Madsen, J.A. Magalhaes, J.N. Maki, M.C. Malin, R.M. Manning, J. Matijevic, H.Y. McSween Jr., H.J. Moore, S.L. Murchie, J.R. Murphy, T.J. Parker, R. Rieder, T.P. Rivellini, J.T. Schofield, A. Seiff, R. Singer, P.H. Smith, L.A. Soderblom, D.A. Spencer, C. Stoker, R. Sullivan, N. Thomas, S.W. Thurman, M.G. Tomasko, R.M. Vaughan, H. Wänke, W. Ward, and G. Wilson.
282. 1999, Ventifacts at the Pathfinder landing site, *J. Geophys. Res.*, *104*, 8595-8615, Bridges, N.T., R. Greeley, A.F.C. Haldemann, K.E. Herkenhoff, M. Kraft, T.J. Parker, and A.W. Ward.
283. 1999, General geology and geomorphology of the Mars Pathfinder landing site, *J. Geophys. Res. Planets, Mars Pathfinder special issue*, *104*, 8555-8571, Ward, A.W., L.R. Gaddis, R.L. Kirk, L.A. Soderblom, K.L. Tanaka, M.P. Golombek, T.J. Parker, R. Greeley, and R.O. Kuzmin.
284. 1999, Martian Fluvial-thermal erosion: laboratory simulation, *J. Geophys. Res.*, *104*, 14,091-14,098, Coustard, F., J. Aguirre-Puente, R. Greeley, and N. Makhloufi.
285. 1999, Galileo's multiinstrument spectral view of Europa's surface composition, *Icarus*, *139*, 179-188, Fanale, F.P., J.C. Granahan, T.B. McCord, G. Hansen, C.A. Hibbitts, R. Carlson, D. Matson, A. Ocampo, L. Kamp, W. Smythe, F. Leader, R. Mehlman, R. Greeley, R. Sullivan, P. Geissler, C. Barth, A. Hendrix, B.E. Clark, P. Helfenstein, J. Veverka, M.J.S. Belton, K. Becker, T. Becker, and the Galileo NIMS, SSI, UVS Instrument Teams.
286. 1999, Assessing the Martian Surface distribution of aeolian sand using a Mars general circulation model, *J. Geophys. Res.*, *104*, 18,991-19,002, Anderson, F.S., R. Greeley, P. Xu, E. Lo, D.G. Blumberg, R.M. Haberle, and J.R. Murphy.
287. 1999, The hidden ocean of Europa, *Scientific Amer.*, *October 1999*, 34-43, Pappalardo, R.T., J.W. Head, and R. Greeley.
288. 1999, Mass movement and landform degradation on the icy Galilean satellites: Results of the Galileo nominal mission, *Icarus*, *140*, 294-312, Moore, J.M., E. Asphaug, D. Morrison, J.R. Spencer, C.R. Chapman, B. Bierhaus, R.J. Sullivan, F.C. Chuang, J.E. Klemaszewski, R. Greeley, K.C. Bender, P.E. Geissler, P. Helfenstein, and C.B. Pilcher.
289. 1999, A scientific rationale for mobility in planetary environments, *Space Studies Board, National Research Council*, National Academy Press, pp. 56, Greeley, R. et al.
290. 1999, A science strategy for the exploration of Europa, *Space Studies Board, National Research Council*, National Academy Press, 68 pp., Greeley, R. (chair), et al.
291. 1999, Does Europa have a Subsurface Ocean? Evaluation of the Geological Evidence, *J. Geophys. Res.*, *104*, 24,015-24,055, Pappalardo, R.T., M.J.S. Belton, H.H. Breneman, M.H. Carr, C.R. Chapman, G.C. Collins, T. Denk, S. Fagents, P.E. Geissler, B. Giese, R. Greeley, R. Greenberg, J.W. Head, P. Helfenstein, G. Hoppa, S.D. Kadel, K.P. Klaasen, J.E. Klemaszewski, K. Magee, A.S. McEwen, J.M. Moore, W.B. Moore, G. Neukum, C.B. Phillips, L.M. Prockter, G. Schubert, D.A. Senske, R.J. Sullivan, B.R. Tufts, E.P. Turtle, R. Wagner, and K.K. Williams.

292. 1999, Venus Aerobot multisonde mission, *AIAA Balloon Tech. Conf.*, 1-10, Cutts, J.A., V. Kerzhanovich, J. Balaram, B. Campbell, R. Gershman, R. Greeley, J.L. Hall, J. Cameron, K. Klaasen, and D.M. Hansen.
293. 1999, Geologic Studies in Support of Manned Martian Exploration, *Second Annual HEDS-UP Forum*, LPI Contribution No. 979, pp. 17-33, P. Frix, K. McCloskey, L.D.V. Neakrase, and R. Greeley.
294. 2000, Mars Pathfinder landing site: Evidence for a change in wind regime from lander and orbiter data, *J. Geophys. Res., Planets*, 105, 1829-1840, Greeley, R., M.D. Kraft, R.O. Kuzmin, and N.T. Bridges.
295. 2000, A komatiite analog to potential ultramafic materials on Io, *J. Geophys. Res., Planets*, 105, 1671-1684, Williams, D.A., A.H. Wilson, and R. Greeley.
296. 2000, Cryomagmatic mechanisms for the formation of Rhadamanthys Linea, triple band margins, and other low albedo features on Europa, *Icarus*, 144, 54-88, Fagents, S.A., R. Greeley, R.J. Sullivan, R.T. Pappalardo, and L.M. Prockter.
297. 2000, Surface properties of Mars' polar layered deposits and polar landing sites, *J. Geophys. Res.*, 105, 6961-6969, Vasavada, A.R., J.P. Williams, D.A. Paige, K.E. Herkenhoff, N.T. Bridges, R. Greeley, B.C. Murray, D.S. Bass, and K.S. McBride.
298. 2000, Galileo at Io: Results from high-resolution imaging, *Science*, 288, 1193-1198, McEwen, A.S., M.J.S. Belton, H.H. Breneman, S.A. Fagents, P. Geissler, R. Greeley, J.W. Head, G. Hoppa, W.L. Jaeger, T.V. Johnson, L. Keszthelyi, K.P. Klaasen, R. Lopes-Gautier, K.P. Magee, M.P. Milazzo, J.M. Moore, R.T. Pappalardo, C.B. Phillips, J. Radebaugh, G. Schubert, P. Schuster, D.P. Simonelli, R. Sullivan, P.C. Thomas, E.P. Turtle, and D.A. Williams.
299. 2000, Rock coatings and aeolian abrasion on Mars: Application to the Pathfinder landing site, *J. Geophys. Res.*, 105, 15,107-15,116, Kraft, M.D. and R. Greeley.
300. 2000, Volcanism on the Red Planet: Mars, in *Environmental Effects on Volcanic Eruptions: from Deep Oceans to Deep Space*, edited by J.R. Zimbleman and T.K.P. Gregg, pp. 75-112, Kluwer Academic/Plenum Publ., New York, Greeley, R., N.T. Bridges, D.A. Crown, L.S. Crumpler, S.A. Fagents, P.J. Mouginis-Mark, and J.R. Zimbleman.
301. 2000, Geologic map of the Carson Quadrangle (V-43), Venus, *U.S. Geological Survey Map I-2620*, Bender, K.C., D.A. Senske, and R. Greeley.
302. 2000, A reassessment of the emplacement and erosional potential of turbulent, low-viscosity lavas on the moon, *J. Geophys. Res., Planets*, 105, 20,189-20,205, Williams, D.A., S.A. Fagents, and R. Greeley.
303. 2000, Large mass movements on Callisto, *J. Geophys. Res.*, 105, 20,227-20,244, Chuang, F.C. and R. Greeley.
304. 2000, Galileo views of the geology of Callisto, *Planetary and Space Sci.*, 48, 829-853, Greeley, R. J.E. Klemaszewski, R. Wagner, and the Galileo Imaging Team.
305. 2000, Introduction to the special section: Galileo mission results from the icy Galilean satellites, *J. Geophys. Res.*, 105, 22,517-22,518, Head III, J.W. and R. Greeley.

306. 2000, Geologic mapping of Europa, *J. Geophys. Res.*, *105*, 22,559-22,578, Greeley, R., P.H. Figueredo, D.A. Williams, F.C. Chuang, J.E. Klemaszewski, S.D. Kadel, L.M. Prockter, R.T. Pappalardo, J.W. Head III, G.C. Collins, N.A. Spaun, R.J. Sullivan, J.M. Moore, D.A. Senske, B.R. Tufts, T.V. Johnson, M.J.S. Belton, and K.L. Tanaka.
307. 2000, The search for current geologic activity on Europa, *J. Geophys. Res.*, *105*, 22,579-22,597, Phillips, C.B, A.S. McEwen, G.V. Hoppa, S.A. Fagents, R. Greeley, J.E. Klemaszewski, R.T. Pappalardo, K.P. Klaasen, and H.H. Breneman.
308. 2000, Geologic mapping of the northern leading hemisphere of Europa from Galileo solid-state imaging data, *J. Geophys. Res.*, *105*, 22,629-22,646, Figueredo, P. and R. Greeley.
309. 2000, Geological history of the Tyre Region of Europa: A regional perspective on European surface features and ice thickness, *J. Geophys. Res.*, *105*, 22,657-22,669, Kadel, S.D., F.C. Chuang, R. Greeley, J.M. Moore, and the Galileo SSI Team.
310. 2000, Results of the Imager for Mars Pathfinder windsock experiment, *J. Geophys. Res.*, *105*, 24,547-24,562, Sullivan, R., R. Greeley, M. Kraft, G. Wilson, M. Golombek, K. Herkenhoff, J. Murphy, and P. Smith.
311. 2000, Tyre and Pwyll: Galileo orbital remote sensing of mineralogy versus morphology at two selected sites on Europa, *J. Geophys. Res.*, *105*, 22,647-22,655, Fanale, F.P., J.C. Granahan, R. Greeley, R. Pappalardo, J. Head III, J. Shirley, R. Carlson, A. Hendrix, J. Moore, T.B. McCord, M. Belton, and the Galileo NIMS and SSI Instrument Teams.
312. 2000, Geological map of the MTM-15182 and -15187 Quadrangles, Gusev Crater-Ma'adim Vallis region, Mars, *U.S. Geol. Surv.*, Misc. Invest. Map I-2666, Kuzmin, R.O., R. Greeley, R. Landheim, N.A. Cabrol, and J.D. Farmer.
313. 2000, Windblown dust on Mars: Laboratory simulations of flux as a function of surface roughness, *Planet. Space Sci.*, *48*, 1349-1355, Greeley, R., G. Wilson, R. Coquilla, B. White, and R. Haberle.
314. 2001, Geology of Lofn crater, Callisto, *J. Geophys. Res.*, *106*, 3261-3273, Greeley, R., S. Heiner, J.E. Klemaszewski, and the Galileo SSI Team.
315. 2001, Factors influencing lava-substrate heat transfer and implications for thermomechanical erosion, *Bull. Volcanol.*, *62*, 519-532, Fagents, S.A. and R. Greeley.
316. 2001, Impact features on Europa: results of the Galileo Europa Mission (GEM), *Icarus*, *151*, 93-111, Moore, J.M., E. Asphaug, M.J.S. Belton, B. Bierhaus, H.H. Breneman, S.M. Brooks, C.R. Chapman, F.C. Chuang, G.C. Collins, B. Giese, R. Greeley, J.W. Head III, S. Kadel, K.P. Klaasen, J.E. Klemaszewski, K.P. Magee, J. Moreau, D. Morrison, G. Neukum, R.T. Pappalardo, C.B. Phyllips, P.M. Schenk, D.A. Senske, R.J. Sullivan, E.P. Turtle, and K.K. Williams.
317. 2001, Wind related modification of some small impact craters on Mars, *Icarus*, *153*, 61-70, Kuzmin, R.O., R. Greeley, S.C.R. Rafkin, and R.M. Haberle.
318. 2001, Geomorphologic evidence for liquid water (Mars), *Space Science Reviews*, *96*, 333-364, Masson, P., M.H. Carr, F. Costard, R. Greeley, E. Hauber, and R. Jaumann.

319. 2001, Geophysical constraints on the evolution of Mars, *Space Science Reviews*, 96, 231-262, Spohn, T., M.H. Acuña, D. Breuer, M. Golombek, R. Greeley, A. Halliday, E. Hauber, R. Jaumann, and F. Sohl.
320. 2001, Aeolian processes and their effect on understanding the chronology of Mars, *Space Science Reviews*, 96, 365-392, Greeley, R., R.O. Kuzmin, and R.M. Haberle.
321. 2001, Geomorphologic evidence for liquid water, in *Chronology and evolution of Mars*, Kluwer Academic Publ., pp. 333-364, Masson, P., M.H. Carr, F. Costard, R. Greeley, E. Hauber, and R. Jaumann.
322. 2001, Geophysical constraints on the evolution of Mars, in *Chronology and evolution of Mars*, Kluwer Academic Publ., pp. 231-262, Spohn, T., M.H. Acuña, D. Breuer, M. Golombek, R. Greeley, A. Halliday, E. Hauber, R. Jaumann, and F. Sohl.
323. 2001, Geological processes and evolution, in *Chronology and evolution of Mars*, Kluwer Academic Publ., pp. 263-292, J.W. Head, R. Greeley, M. Golombek, W.K. Hartmann, E. Hauber, R. Jaumann, P. Masson, G. Neukum, L.E. Nyquist, and M. Carr.
324. 2001, Aeolian processes and their effect on understanding the chronology of Mars, in *Chronology and evolution of Mars*, Kluwer Academic Publ., pp. 393-404, Greeley, R., R.O. Kuzmin, and R.M. Haberle.
325. 2001, Icelandic pseudocraters as analogs to some volcanic cones on Mars, *J. Geophys. Res. – Planets*, 106, 20,527-20,546, Greeley, R. and S.A. Fagents.
326. 2001, Radar attenuation by sand: laboratory measurements of radar transmission, *IEEE, Trans. Geoscience and Remote Sensing*, 39, 2521-2526, Williams, K.K. and R. Greeley.
327. 2001, The icy crust of the Jupiter moon, Europa, *Proc., Scaling Laws in Ice Mechanics and Ice Dynamics, International Union of Theoretical and Applied Mechanics Symposium Fairbanks*, Dempsey, J.P. and H.H. Shen (eds.), Kluwer Academic Publishers, p. 1-12, Greeley, R.
328. 2001, The summer 1997 eruption at Pillan Patera on Io: implications for ultrabasic lava flow emplacement, *J. Geophys. Res.*, 106, 33,105-33,119, Williams, D.A., A.G. Davies, L.P. Keszthelyi, and R. Greeley.
329. 2001, Evaluation of sulfur flow emplacement on Io from Galileo data and numerical modeling, *J. Geophys. Res.*, 106, 33,161-33,174, Williams, D.A., R. Greeley, R.M.C. Lopes, and A.G. Davies.
330. 2001, Scientific goals, objectives, investigations, and priorities, in *Science Planning for Exploring Mars*, JPL Publ. 01-7, p. 9-38, Greeley, R.
331. 2002, Mars sample return: architecture and mission design, *Proc. IEEE Aerospace Conf.*, 0-7803-7231-X/01, Sherwood, B., D.B. Smith, R. Greeley, W. Whittaker, G.R. Woodcock, G. Barton, D.W. Pearson, and W. Siegfried.
332. 2002, Terrestrial analogs to wind-related features at the Viking and Pathfinder landing sites on Mars, *J. Geophys. Res.*, 107, doi: 10.1029/2000JE001481, Greeley, R., N.T. Bridges, R.O. Kuzmin, and J.E. Laity.

333. 2002, Saltation impact as a means for raising dust on Mars, *Planet. Space Sci.*, 50, 151-155, Greeley, R.
334. 2002, Space shuttle observations of terrestrial impact structures using SIR-C and X-SAR radars, *Meteor. Planet. Sci.*, 37, 407-420, McHone, J., R. Greeley, K.K. Williams, D.G. Blumberg, and R.O. Kuzmin.
335. 2002, En echelon ridge and trough structures on Europa, *Geophys. Res. Lett.*, 29 (10), 10.1029/2002GL014956, Michalski, J.R. and R. Greeley.
336. 2002, CO₂-rich impact craters on Callisto, doi 10.1029/2000JE001412, Hibbitts, C.A., J.E. Klemaszewski, T.B. McCord, G.B. Hansen, and R. Greeley.
337. 2002, Geologic mapping of the Chaac-Camaxtli region of Io from Galileo imaging data, *J. Geophys. Res.*, 107 (E9), 5068, doi:10.1029/2001JE001821, Williams, D.A., J. Radebaugh, L.P. Keszthelyi, A.S. McEwen, R.M.C. Lopes, S. Douté, and R. Greeley.
338. 2002, Geology and origin of Europa's "Mitten" feature (Murias Chaos), *J. Geophys. Res.*, 107(E5), doi: 10.1029/2001JE001591, Figueredo, P.H., F.C. Chuang, J. Rathbun, R.L. Kirk, and R. Greeley.
339. 2002, Atmospheric disturbances and radiation impulses caused by large-meteoroid impacts on the surface of Mars. I. Formation and evolution of dust clouds, *Solar System Research*, 36, 175-192, Kosarev, I.B., T.V. Losseva, I.V. Nemtchinov, V.V. Shuvalov, and R. Greeley.
340. 2002, Rootless cones on Mars: Consequence of lava-ground ice interaction, in *Volcano-ice interaction on Earth and Mars*, J.L. Smellie and M.G. Chapman (eds.), Geo. Soc. of London Special Pub. No. 202, 2002, Fagents, S.A., P. Lanagan, and R. Greeley.
341. 2002, Impact-mobilized dust in the martian atmosphere, *J. Geophys. Res.*, 107(E12), doi:10.1029/2001JE001834, Nemtchinov, I.V., V.V. Shuvalov, and R. Greeley.
342. 2002, Remotely sensed geology from lander-based to orbital perspectives: results of FIDO rover May 2000 field tests, *J. Geophys. Res.*, 107(E11), doi:10.1029/2000JE001470, Jolliff, B., A. Knoll, R.V. Morris, J. Moersch, H. McSween, M. Gilmore, R. Arvidson, R. Greeley, K. Herkenhoff, and S. Squyres.
343. 2003, VEGA Discovery mission to Venus: exploration of volcanoes and atmosphere, *Acta Astronautica*, 52, 151-158, Klaasen, K.P. and R. Greeley.
344. 2003, Science from a Mars Airplane: the aerial regional-scale environmental survey (ARES) of Mars, *AIAA*, 2003-6576, 1-9, Levine, J.S., J.E.P. Connerney, J.W. Head III, B.M. Jakosky, C. Sotin, D.L. Blaney, R. Greeley, J.H. Hoffman, C.P. McKay, and M.E. Summers.
345. 2003, Martian dust devils: laboratory simulations of particle threshold, *J. Geophys. Res.*, 108(E5), doi: 10.1029/2002JE001987, Greeley, R., M.R. Balme, J.D. Iversen, S. Metzger, R. Mickelson, J. Phoreman, and B. White.
346. 2003, Friction wind speeds in dust devils: a field study, *Geophys. Res. Lett.*, 30(16), 10.1029/2003GL017493, Balme, M., S. Metzger, M. Towner, T. Ringrose, R. Greeley, and J. Iversen.

- 347.2003, Wind-related features in Gusev Crater, Mars, *J. Geophys. Res.*, *108*, doi:10.1029/2002JE002006, Greeley, R., R.O. Kuzmin, S.C.R. Rafkin, T. Michaels, and R.M. Haberle.
- 348.2003, Mars: aeolian features and wind predictions at the Terra Meridiani and Isidis Planitia potential MER landing sites, *J. Geophys. Res.*, *108*, doi:10.1029/2003JE002110, Greeley, R. and S. Thompson.
- 349.2003, Mars: dust devil track survey in Argyre Planitia and Hellas Basin, *J. Geophys. Res.*, *108*(E8). doi:10.1029/2003JE002096, Balme, M.R., P.L. Whelley, and R. Greeley.
- 350.2003, Eos Chasma, Mars: site for astrobiology, *J. Geophys. Res.*, *108*, doi:10.1029/2002JE002014, Greeley, R., R.O. Kuzmin, D. Nelson, and J. Farmer.
- 351.2003, Locating potential biosignatures on Europa from surface geology observations, *Astrobiology*, *3*, 851-861, Figueredo, P.H., R. Greeley, S. Neuer, L. Irwin, and D. Schulze-Makuch.
- 352.2003, Exploring Gusev Crater with MER A: Review of Science Objectives and Testable Hypotheses. *J. Geophys. Res.*, *108*, doi:10.1029/2002JE002026, Cabrol, N.A., E.A. Grin, M.H. Carr, B. Sutter, J.M. Moore, J.D. Farmer, R. Greeley, D.J. Des Marais, M.G. Kramer, H. Newsom, C. Barber, I. Thorsos, K.L. Tanaka, N.G. Barlow, D.A. Fike, M.L. Urquhart, B. Grigsby, F.D. Grant, and O. de Goursac.
- 353.2003, Extreme volcanism on Io: latest insights at the end of Galileo era, *Eos Trans., Amer. Geophys. Union*, *84*(33), 313-324, Kargel, J., R. Carlson, A. Davies, B. Fegley Jr., A. Gillespie, R. Greeley, R. Howell, K.L. Jessup, L. Kamp, L. Keszthelyi, R. Lopes, T. MacIntyre, F. Marchis, A. McEwen, M. Milazzo, J. Perry, J. Radebaugh, L. Schaeffer, N. Schmerr, W. Smythe, J. Spencer, D. Williams, J. Zhang, and M. Zolotov.
- 354.2004, Resurfacing history of Europa from pole-to-pole geological mapping, *Icarus*, *167*, 287-312, Figueredo, P.H. and R. Greeley.
- 355.2004, Insights on rock abrasion and ventifact formation from laboratory and field analog studies with applications to Mars, *Planet. Space Sci.*, *52*, 199-213, Bridges N.T., J.E. Laity, R. Greeley, J. Phoreman, and E.E. Eddlemon.
- 356.2004, Erosion by flowing lava: geochemical evidence in the Cave Basalt, Mount St. Helens, Washington, *Bull. Vol.*, *66* (2), doi:10.1007/s00445-003-0301-2, p. 168-181, Williams, D.A., S.D. Kadel, R. Greeley, C.M. Leshner, and M.A. Clynne.
- 357.2004, Mapping of the Culann-Tohil region of Io from Galileo imaging data, *Icarus*, *169*, 80-97, Williams, D.A., P.M. Schenk, J.M. Moore, L.P. Keszthelyi, E.P. Turtle, W.L. Jaeger, J. Radebaugh, M.P. Milazzo, R.M.C. Lopes, and R. Greeley.
- 358.2004, Wind-related processes detected by the Spirit Rover at Guzev Crater, Mars, *Science*, *305*, 810-821, Greeley, R., S.W. Squyres, R.E. Arvidson, P. Bartlett, J.F. Bell III, D. Blaney, N.A. Cabrol, J. Farmer, B. Farrand, M.P. Golombek, S.P. Gorevan, J.A. Grant, A.F.C. Haldemann, K.E. Herkenhoff, J. Johnson, G. Landis, M.B. Madsen, S.M. McLennan, J. Moersch, J.W. Rice Jr., L. Richter, S. Ruff, R.J. Sullivan, S.D. Thompson, A. Wang, C.M. Weitz, P. Whelley, and the Athena Science Team.

359. 2004, The Spirit Rover's Athena science investigation at Gusev Crater, Mars, *Science*, 305, 794-799, Squyres, S.W., R.E. Arvidson, J.F. Bell III, J. Bruckner, N.A. Cabrol, W. Calvin, M. H. Carr, P.R. Christensen, B.C. Clark, D.J. Des Marais, C. d'Uston, T. Economou, J. Farmer, W. Farrand, W. Folkner, M. Golombek, S. Gorevan, J.A. Grant, R. Greeley, J. Grotzinger, L. Haskin, K.E. Herkenhoff, S. Hviid, J. Johnson, G. Klingelhofer, A. Knoll, G. Landis, M. Lemmon, R. Li, M.B. Madsen, M.C. Malin, S.M. McLennan, H.Y. McSween, D.W. Ming, J. Moersch, R.V. Morris, T. Parker, J.W. Rice Jr., L. Richter, R. Rieder, M. Sims, M. Smith, P. Smith, L.A. Soderblom, R. Sullivan, H. Wanke, T. Wdowiak, M. Wolff, and A. Yen.
360. 2004, Pancam multispectral imaging results from the Spirit Rover at Gusev Crater, *Science*, 305, 800-806, Bell III, J.F., S.W. Squyres, R.E. Arvidson, H.M. Arneson, D. Bass, D. Blaney, N. Cabrol, W. Calvin, J. Farmer, W.H. Farrand, W. Goetz, M. Golombek, J.A. Grant, R. Greeley, E. Guinness, A.G. Hayes, M.Y.H. Hubbard, K.E. Herkenhoff, M.J. Johnson, J.R. Johnson, J. Joseph, K.M. Kinch, M.T. Lemmon, R. Li, M.B. Madsen, J.N. Maki, M. Malin, E. McCartney, S.McLennan, H.Y. McSween Jr., D.W. Ming, J.E. Moersch, R.V. Morris, E.Z. Noe Dobrea, T.J. Parker, J. Proton, J.W. Rice Jr., F. Seelos, J. Soderblom, L.A. Soderblom, J.N. Sohl-Dickstein, R.J. Sullivan, M.J. Wolff, and A. Wang.
361. 2004, Surficial Deposits at Gusev Crater along Spirit Rover traverses, *Science*, 305, 807-810, Grant, J.A., R. Arvidson, J.F. Bell III, N.A. Cabrol, M.H. Carr, P. Christensen, L. Crumpler, D.J. Des Marais, B.L. Ehlmann, J. Farmer, M. Golombek, F.D. Grant, R. Greeley, K. Herkenhoff, R. Li, H.Y. McSween, D.W. Ming, J. Moersch, J.W. Rice Jr., S. Ruff, L. Richter, S.Squyres, R. Sullivan, and C. Weitz.
362. 2004, Localization and physical properties experiments conducted by Spirit at Gusev Crater, *Science*, 305, 821-824, Arvidson, R.E., R.C. Anderson, P. Bartlett, J.F. Bell III, D. Blaney, P.R. Christensen, P. Chu, L. Crumpler, K. Davis, B.L. Ehlmann, R. Ferguson, M.P. Golombek, S. Gorevan, J.A. Grant, R. Greeley, E.A. Guinness, A.F.C. Haldemann, K. Herkenhoff, J. Johnson, G. Landis, R. Li, R. Lindemann, H. McSween, D.W. Ming, T. Myrick, L. Richter, F.P. Seelos IV, S.W. Squyres, R.J. Sullivan, A. Wang, and J. Wilson.
363. 2004, The Jupiter Icy Moons Orbiter project: the scientific rationale, *Eos, Trans. AGU*, 85(36), p. 337, Greeley, R. and T. Johnson.
364. 2004, Measurements of dielectric loss factors due to a martian dust analog, *J. Geophys. Res.*, 109, E10006, doi:10.1029/2002JE001957, Williams, K.K. and R. Greeley.
365. 2004, Geology of Europa, in *Jupiter - The Planets, Satellites, and Magnetosphere*, Bagenal, F., T. Dowling, and W. McKinnon (eds.), Cambridge Univ. Press, pp. 329-362, Greeley, R., C.F. Chyba, J.W. Head III, T.B. McCord, W.B. McKinnon, R.T. Pappalardo, and P. Figueredo.
366. 2004, Callisto, in *Jupiter - The Planets, Satellites, and Magnetosphere*, Bagenal, F., T. Dowling, and W. McKinnon (eds.), Cambridge Univ. Press, pp. 397-426, Moore, J.M., C.R. Chapman, E.B. Bierhaus, R. Greeley, F.C. Chuang, J. Klemaszewski, R.N. Clark, J.B. Dalton, C.A. Hibbitts, P.M. Schenk, J.R. Spencer, and R. Wagner.
367. 2004, The Opportunity Rover's Athena science investigation at Meridiani Planum, Mars, *Science*, 306, 1698-1703, Squyres, S.W., R.E. Arvidson, J.F. Bell III, J. Bruckner, N.A.

- Cabrol, W. Calvin, M.H. Carr, P.R. Christensen, B.C. Clark, L. Crumpler, D.J. Des Marais, C. d'Uston, T. Economou, J. Farmer, W. Farrand, W. Folkner, M. Golombek, S. Gorevan, J.A. Grant, R. Greeley, J. Grotzinger, L. Haskin, K.E. Herkenhoff, S. Hviid, J. Johnson, G. Klingelhöfer, A.H. Knoll, G. Landis, M. Lemmon, R. Li, M.B. Madsen, M.C. Malin, S.M. McLennan, H.Y. McSween, D.W. Ming, J. Moersch, R.V. Morris, T. Parker, J.W. Rice, Jr., L. Richter, R. Rieder, M. Sims, M. Smith, P. Smith, L.A. Soderblom, R. Sullivan, H. Wänke, T. Wdowiak, M. Wolff, and A. Yen.
368. 2004, Pancam Multispectral Imaging Results from the Opportunity Rover at Meridiani Planum, *Science*, 306, 1703-1709, Bell III, J.F., S.W. Squyres, R.E. Arvidson, H.M. Arneson, D. Bass, W. Calvin, W.H. Farrand, W. Goetz, M. Golombek, R. Greeley, J. Grotzinger, E. Guinness, A.G. Hayes, M.Y.H. Hubbard, K.E. Herkenhoff, M.J. Johnson, J.R. Johnson, J. Joseph, K.M. Kinch, M.T. Lemmon, R. Li, M.B. Madsen, J.N. Maki, M. Malin, E. McCartney, S. McLennan, H.Y. McSween, Jr., D.W. Ming, R.V. Morris, E.Z. Noe Dobra, T.J. Parker, J. Proton, J.W. Rice, Jr., F. Seelos, J.M. Soderblom, L.A. Soderblom, J.N. Sohl-Dickstein, R.J. Sullivan, C.M. Weitz, and M.J. Wolff.
369. 2004, Soils of Eagle Crater and Meridiani Planum at the Opportunity Rover Landing Site, *Science*, 306, 1723-1726, Soderblom, L.A., R.C. Anderson, R.E. Arvidson, J.F. Bell, III, N.A. Cabrol, W. Calvin, P.R. Christensen, B.C. Clark, T. Economou, B.L. Ehlmann, W.H. Farrand, D. Fike, R. Gellert, T.D. Glotch, M.P. Golombek, R. Greeley, J.P. Grotzinger, K.E. Herkenhoff, D.J. Jerolmack, J.R. Johnson, B. Jolliff, G. Klingelhöfer, A.H. Knoll, Z.A. Learner, R. Li, M. C. Malin, S.M. McLennan, H.Y. McSween, D.W. Ming, R.V. Morris, J.W. Rice, Jr., L. Richter, R. Rieder, D. Rodionov, C. Schröder, F.P. Seelos, IV, J.M. Soderblom, S.W. Squyres, R. Sullivan, W.A. Watters, C.M. Weitz, M.B. Wyatt, A. Yen, and J. Zipfel.
370. 2004, Evidence from Opportunity's Microscopic Imager for Water on Meridiani Planum, *Science*, 306, 1727-1730, Herkenhoff, K.E., S.W. Squyres, R. Arvidson, D.S. Bass, J.F. Bell, III, P. Bertelsen, B.L. Ehlmann, W. Farrand, L. Gaddis, R. Greeley, J. Grotzinger, A.G. Hayes, S.F. Hviid, J.R. Johnson, B. Jolliff, K.M. Kinch, A.H. Knoll, M.B. Madsen, J.N. Maki, S.M. McLennan, H.Y. McSween, D.W. Ming, J.W. Rice, Jr., L. Richter, M. Sims, P.H. Smith, L.A. Soderblom, N. Spanovich, R. Sullivan, S. Thompson, T. Wdowiak, C. Weitz, and P. Whelley.
371. 2004, Atmospheric imaging results from the Mars Exploration Rovers: Spirit and Opportunity, *Science*, 306, 1753-1756, Lemmon, M.T., M.J. Wolff, M.D. Smith, R.T. Clancy, D. Banfield, G.A. Landis, A. Ghosh, P.H. Smith, N. Spanovich, B. Whitney, P. Whelley, R. Greeley, S. Thompson, J.F. Bell III, S.W. Squyres.
372. 2004, Laboratory and field measurements of the modification of radar backscatter by sand, *Remote Sensing Environment*, 89, 29-40, Williams, K.K., and R. Greeley.
373. 2004, Martian dust devils: directions of movement inferred from their tracks, *J. Geophys. Ltrs.* 31, L24702, doi:10.1029/2004GL021599, Greeley, R., P.L. Whelley, and L.D.V. Neakrase.

374. 2004, The geology of two small Cenozoic volcanoes in Southwestern Arizona, *Journal of the Arizona – Nevada Academy of Science*, 37(2), 105-110, Cave, S., and R. Greeley.
375. 2005, Discovery of a flank caldera and very young glacial activity at Hecates Tholus, Mars, *Nature*, 434, 356-361, Hauber, E., S. van Gasselt, B. Ivanov, S. Werner, J.W. Head, G. Neukum, R. Jaumann, R. Greeley, K.L. Mitchell, P. Muller, and the HRSC Co-Investigator Team.
376. 2005, Sea-surface wave growth under extraterrestrial atmospheres: preliminary wind tunnel experiments with application to Mars and Titan, *Icarus*, 175, 556-560, Lorenz, R.D., E.R. Kraal, E.E. Eddlemon, J. Chaney, and R. Greeley.
377. 2005, Fluid lava flows in Gusev crater, Mars, *J. Geophys. Res.*, 110, doi:10.1029/2005JE002401, Greeley, R., B.H. Foing, H.Y. McSween, G. Neukum, P. Pinet, M. van Kan, S.C. Werner, D. Williams, T.E. Zegers.
378. 2005, Erosion by flowing martian lava: new insights for Hecates Tholus from Mars Express and MER data, *J. Geophys. Res.*, 110, doi:10.1029/2004JE002377, Williams, D.A., R. Greeley, E. Hauber, K. Gwinner, and G. Neukum.
379. 2005, Martian variable features: new insight from the Mars Express orbiter and the Mars Exploration Rover, Spirit, *J. Geophys. Res.*, 110, doi:10.1029/2005JE002403, Greeley, R., R. Arvidson, J.F. Bell III, P. Christensen, D. Foley, A. Haldemann, R.O. Kuzmin, G. Landis, L. Neakrase, G. Neukum, S.W. Squyres, R. Sullivan, S.D. Thompson, P.L. Whelley, D. Williams.
380. 2005, Assessment of Mars Exploration Rover landing site predictions, Golombek, M.P., R.E. Arvidson, J.F. Bell, III, P.R. Christensen, J.A. Crisp, L.S. Crumpler, B.L. Ehlmann, R.L. Fergason, J.A. Grant, R. Greeley, A.F.C. Haldemann, D.M. Kass, T.J. Parker, J.T. Schofield, S.W. Squyres and R.W. Zurek, *Nature*, 436, doi: 10.1038/nature03600, 44-48.
381. 2005, Aeolian processes at the Mars Exploration Rover Meridiani Planum landing site, Sullivan, R., D. Banfield, J.F. Bell, III, W. Calvin, D. Fike, M. Golombek, R. Greeley, J. Grotzinger, K. Herkenhoff, D. Jerolmack, M. Malin, D. Ming, L.A. Soderblom, S.W. Squyres, S. Thompson, W.A. Watters, C.M. Weitz and A. Yen, *Nature*, 436, doi: 10.1038/nature03641, 58-61.
382. 2005, The Zamama-Thor region of Io: insights from a synthesis of mapping, topography, and Galileo spacecraft data, *Icarus*, 177, 69-88, Williams, D.A., L.P. Keszthelyi, P.M. Schenk, M.P. Milazzo, R.M.C. Lopes, J.A. Rathburn, and R. Greeley.
383. 2005, Mars Exploration Rover geologic traverse by the Spirit rover in the plains of Gusev Crater, Mars, *Geology*, 33, 809-812, Crumpler, L.S., S.W. Squyres, R.E. Arvidson, J.F. Bell, III, D. Blaney, N.A. Cabrol, P.R. Christensen, D.J. DesMarais, J.D. Farmer, R. Fergason, M.P. Golombek, F.D. Grant, J.A. Grant, R. Greeley, B. Hahn, K.E. Herkenhoff, J.A., A.T. Knudson, G.A. Landis, R. Li, J. Maki, H.Y. McSween, D.W. Ming, J.E. Moersch, M.C. Payne, J.W. Rice, L. Richter, S.W. Ruff, M. Sims, S.D. Thompson, N. Tosca, A. Wang, P. Whelley, S.P. Wright, M.B. Wyatt.
384. 2005, Initial results of Rover localization and topographic mapping for the 2003 Mars Exploration Rover mission, Li, R., S.W. Squyres, R.E. Arvidson, B.A. Archinal, J. Bell, Y. Cheng, L. Crumpler, D.J. Des Marais, K. Di, T.A. Ely, M. Golombek, E. Graat, J. Grant, J.

- Guinn, A. Johnson, R. Greeley, R.L. Kirk, M. Maimoned, L.H. Matthies, M. Malin, T. Parker, M. Sims, L.A. Soderblom, S. Thompson, J. Wang, P. Whelley, and F. Xu, J. *Photogrammetric Engineering and Remote Sensing*, 71 1129-1142.
385. 2005, Stratigraphy and sedimentology of a dry to wet eolian depositional system, Burns formation, Meridiani Planum, Mars, Grotzinger, J.P., R.E. Arvidson, J.F. Bell III, W. Calvin, B.C. Clark, D.A. Fike, M. Golombek, R. Greeley, A. Haldemann, K.E. Herkenhoff, B.L. Jolliff, A.H. Knoll, M. Malin, S.M. McLennan, T. Parker, L. Soderblom, J.N. Sohl-Dickstein, S.W. Squyres, N.J. Tosca, W.A. Watters, *Earth and Planetary Science Letters*, 240, 11 –72.
386. 2005, Trajectories and energy transfer of saltating particles onto rock surfaces: application to abrasion and ventifact formation on Earth and Mars, *J. Geophys. Res.*, 110, doi:10.1029/2004JE002388, Bridges, N.T., J. Phoreman, B.R. White, R. Greeley, E. Eddlemon, G. Wilson, and C. Meyer.
387. 2006, Geology of the Gusev cratered plains from the Spirit rover traverse, *J. Geophys. Res.*, 111, doi:10.1029/2005JE002503, Golombek, M.P., L.S. Crumpler, J.A. Grant, R. Greeley, N.A. Cabrol, T.J. Parker, J.W. Rice Jr., J.G. Ward, R.E. Arvidson, J.E. Moersch, R.L. Fergason, P.R. Christensen, A. Castano, R. Castano, A.F.C. Haldemann, R. Li, J.F. Bell III, and S.W. Squyres.
388. 2006, Spirit rover localization and topographic mapping at the landing site of Gusev crater, Mars, *J. Geophys. Res.*, 111, doi:10.1029/2005JE002483, Li, R., B.A. Archinal, R.E. Arvidson, J. Bell, P.Christensen, L. Crumpler, D.J. Des Marais, K. Di, T. Duxbury, M. Golombek, J. Grant, R. Greeley, J. Guinn, A. Johnson, R.L. Kirk, M. Maimone, L.H. Matthies, M. Malin, T. Parker, M. Sims, S. Thompson, S.W. Squyres, and L.A. Soderblom.
389. 2006, Characterization and petrologic interpretation of olivine-rich basalts at Gusev Crater, Mars, *J. Geophys. Res.*, 111, doi:10.1029/2005JE002477, McSween, H.Y., M.B. Wyatt, R. Gellert, J.F. Bell, III, R.V. Morris, K.E. Herkenhoff, L.S. Crumpler, K.A. Milam, K.R. Stockstill, L.L. Tornabene, R.E. Arvidson, P. Bartlett, D. Blaney, N.A. Cabrol, P.R. Christensen, B.C. Clark, J.A. Crisp, D.J. Des Marais, T. Economou, J.D. Farmer, W. Farrand, A. Ghosh, M. Golombek, S. Gorevan, R. Greeley, V.E. Hamilton, J.R. Johnson, B.L. Joliff, G. Klingelhöfer, A.T. Knudson, S. McLennan, D. Ming, J.E. Moersch, R. Rieder, S.W. Ruff, C. Schröder, P.A. de Souza, Jr., S.W. Squyres, H. Wänke, A. Wang, A. Yen, and J. Zipfel.
390. 2006, Gusev crater: wind-related features and processes observed by the Mars Exploration Rover, *Spirit*, *J. Geophys. Res.*, 111, doi:10.1029/2005JE002491, Greeley, R., R. E. Arvidson, P. W. Barlett, D. Blaney, N. A. Cabrol, P. R. Christensen, R. L. Fergason, M. P. Golombek, G. A. Landis, M. T. Lemmon, S. M. McLennan, J. N. Maki, T. Michaels, J. E. Moersch, L. D. V. Neakrase, S. C. R. Rafkin, L. Richter, S. W. Squyres, P. A. de Souza Jr., R. J. Sullivan, S. D. Thompson, and P. L. Whelley.
391. 2006, Overview of the Spirit Mars Exploration Rover Mission to Gusev Crater: landing site to Backstay Rock in the Columbia Hills, *J. Geophys. Res.*, 111, doi:10.1029/2005JE002499, Arvidson, R. E., S.W. Squyres, R.C. Anderson, J.F. Bell III, D. Blaney, J. Brückner, N.A. Cabrol, W.M. Calvin, M.H. Carr, P.R. Christensen, B.C. Clark, L. Crumpler, D.J. Des Marais, P.A. de Souza Jr., C. d’Uston, T. Economou, J. Farmer, W.H. Farrand, W. Folkner, M. Golombek, S. Gorevan, J.A. Grant, R. Greeley, J. Grotzinger, E. Guinness, B.C. Hahn,

- L. Haskin, K.E. Herkenhoff, J.A. Hurowitz, S. Hviid, J.R. Johnson, G. Klingelhöfer, A.H. Knoll, G. Landis, C. Leff, M. Lemmon, R. Li, M. B. Madsen, M.C. Malin, S.M. McLennan, H.Y. McSween, D.W. Ming, J. Moersch, R.V. Morris, T. Parker, J.W. Rice Jr., L. Richter, R. Rieder, D.S. Rodionov, C. Schröder, M. Sims, M. Smith, P. Smith, L.A. Soderblom, R. Sullivan, S.D. Thompson, N.J. Tosca, A. Wang, H. Wänke, J. Ward, T. Wdowiak, M. Wolff, and A. Yen.
392. 2006, Monitoring active volcanism with the Autonomous Sciencecraft Experiment on *EO-1*, *Rem. Sens. Environ.*, *101*, 427-446, Davies, A.G, S. Chien, V. Baker, T. Doggett, J. Dohm, R. Greeley, F. Ip, R. Castano, B. Cichy, G. Rabideau, D. Tran, and R. Sherwood.
393. 2006, Autonomous detection of cryospheric change with hyperion on-board Earth Observing-1, *Rem. Sens. Environ.*, *101*, 447-462, Doggett, T., R. Greeley, S. Chien, R. Castano, B. Cichy, A.G. Davies, G. Rabideau, R. Sherwood, D. Tran, V. Baker, J. Dohm, and F. Ip.
394. 2006, Flood detection and monitoring with the Autonomous Sciencecraft Experiment onboard EO-1, *Rem. Sens. Environ.*, *101*, 463-481, Ip, F., J.M. Dohm, V.R. Baker, T. Doggett, A.G. Davies, R. Castano, S. Chien, B. Cichy, R. Greeley, R. Sherwood, D. Tran, and G. Rabideau.
395. 2006, Dust devils on Mars observed by the High Resolution Stereo Camera, *Geophys. Res. Lett.*, *33*, doi:10.1029/2006GL025816, Stanzel, C., M. Pätzold, R. Greeley, E Hauber, and G. Neukum.
396. 2006, Latitudinal dependency in dust devil activity on Mars, *J. Geophys. Res.*, *111*, doi:10.1029/2006JE002677, Whelley, P.L. and R. Greeley.
397. 2006, Dust flux within dust devils: Preliminary laboratory simulations, *Geophys. Res. Lett.*, *33*, doi:10.1029/2006GL026810, Neakrase L.D.V., R. Greeley, J.D. Iversen, M.R. Balme and E.E. Eddlemon.
398. 2006, Active dust devils in Gusev crater, Mars: Observations from the Mars Exploration Rover, Spirit, *J. Geophys. Res.*, *111*, E12S09, doi:10.1029/2006JE002743, Greeley, R., P.L. Whelley, R.E. Arvidson, N.A. Cabrol, D.J. Foley, B.J. Franklin, P.G. Geissler, M.P. Golombek, R.O. Kuzmin, G.A. Landis, M.T. Lemmon, L.D.V. Neakrase1, S.W. Squyres, and S.D. Thompson.
399. 2006, Role of dust devils and orbital precession in closing the Martian dust cycle, *Geophys. Res. Lett.*, *33*, L19S04, doi:10.1029/2006GL026188, Haberle, R., M. Kahre, J.R. Murphy, P.R. Christensen, and R. Greeley.
400. 2006, Dust devils on Earth and Mars, *Rev. Geophys.*, *44*, RG3003, doi:10.1029/2005RG000188, Balme, R. and R. Greeley.
401. 2006, Erosion rates at the Mars Exploration Rover landing sites and long-term climate change on Mars, *J. Geophys. Res.*, *111*, E12S10, doi:10.1029/2006JE002754, Golombek, M.P., J.A. Grant, L.S. Crumpler, R. Greeley, R.E. Arvidson, J.F. Bell III, C.M. Weitz, R. Sullivan, P.R. Christensen, L.A. Soderblom, and S.W. Squyres.
402. 2006, Overview of the Opportunity Mars Exploration Rover mission to Meridiani Planum: Eagle Crater to Purgatory Ripple, *J. Geophys. Res.*, *111*, E12, doi:10.1029/2006JE002771, Squyres, S.W., R.E. Arvidson, D. Bollen, J.F. Bell III, J. Brückner, N.A. Cabrol, W.M.

- Calvin, M.H. Carr, P.R. Christensen, B.C. Clark, L. Crumpler, D.J. Des Marais, C. d'Uston, T. Economou, J. Farmer, W.H. Farrand, W. Folkner, R. Gellert, T.D. Glotch, M. Golombek, S. Gorevan, J.A. Grant, R. Greeley, J. Grotzinger, K.E. Herkenhoff, S. Hviid, J.R. Johnson, G. Klingelhöfer, A.H. Knoll, G. Landis, M. Lemmon, R. Li, M.B. Madsen, M.C. Malin, S.M. McLennan, H.Y. McSween, D.W. Ming, J. Moersch, R.V. Morris, T. Parker, J.W. Rice, Jr., L. Richter, R. Rieder, C. Schröder, M. Sims, M. Smith, P. Smith, L.A. Soderblom, R. Sullivan, N.J. Tosca, H. Wänke, T. Wdowiak, M. Wolff, and A. Yen.
403. 2007, Olympus Mons, Mars: inferred changes in late Amazonian aged effusive activity from lava flow mapping of Mars Express High Resolution Stereo Camera data, *J. Geophys. Res.*, *112*, E04003, doi:10.1029/2006JE002826, Bleacher, J.E., R. Greeley, D.A. Williams, S.C. Werner, E. Hauber, and G. Neukum.
404. 2007, A description of surface features in north Tyrrhena Terra, Mars: evidence for extension and lava flooding, *Icarus*, *191*, 524-544, doi: 10.1016/j.icarus.2007.05.009, Capraelli, G., M. Pondrelli, S. Di Lorenzo, L. Marinageli, G. G. Ori, R. Greeley, and G. Neukum.
405. 2007, Trends in effusive style at the Tharsis Montes, Mars, and implications for the development of the Tharsis province, *J. Geophys. Res.*, *112*, E09005, doi:10.1029/2006JE002873, Bleacher, J.E., R. Greeley, D.A. Williams, S.R. Cave, and G. Neukum.
406. 2007, Geologic map of MTM -30262 and -30267 Quadrangles, Hadriaca Patera Region of Mars, *U.S. Geol. Survey Map SIM 2936*, Crown, D.A. and R. Greeley.
407. 2007, Hadriaca Patera: insights into its volcanic history from Mars Express High Resolution Stereo Camera, *J. Geophys. Res.*, *112*, E10004, doi:10.1029/2007JE002924, Williams, D.A., R. Greeley, W. Zschneid, S.C. Werner, G. Neukum, D.A. Crown, T.K.P. Gregg, K. Gwinner, and J. Raitala.
408. 2007, Surface roughness and geological mapping at subhectometer scale from the High Resolution Stereo Camera onboard Mars Express, *Icarus*, *191*, 38-51, doi:10.1016/j.icarus.2007.04.029, Cord, A., D. Baratoux, N. Mangold, P. Martin, P. Pinet, R. Greeley, F. Costard, P. Masson, B. Foing, and G. Neukum.
409. 2007, Europa Explorer Mission Study: final report, *Task Order #NMO710851, JPL D-38502*, August 29, 2007, 452 pp., Clark, K.B., R. Greeley, and R.T. Pappalardo.
410. 2007, Kissing Mars rocks with the Rover's rats: an educational exercise to understand drilling rocks on Mars, *Earth Scientist*, *XXVI* (4), 13-19, Williams, D.A., J.E. Bleacher, V.A. Zabala, A.A. Zabala, P.L. Whelley, S.R. Cave, and R. Greeley.
411. 2008, Columbia Hills, Mars: aeolian features seen from the ground and orbit, *J. Geophys. Res.*, *113*, E06S06, doi:10.1029/2007JE002971, Greeley, R., P. L. Whelley, L. D. V. Neakrase, R. E. Arvidson, N. T. Bridges, N. A. Cabrol, P. R. Christensen, K. Di, D. J. Foley, M. P. Golombek, K. Herkenhoff, A. Knudson, R. O. Kuzmin, R. Li, T. Michaels, S. W. Squyres, R. Sullivan, and S. D. Thompson.
412. 2008, The distribution of dust devil activity on Mars, *J. Geophys. Res.*, *113*, E07002, doi:10.1029/2007JE002966, Whelley, P.L., and R. Greeley.

413. 2008, Mars Exploration Rover Pancam multispectral imaging of rocks, soils, and dust at Gusev crater and Meridiani Planum, *in* The Martian Surface: Composition, Mineralogy, and Physical Properties, Bell, J. (Ed.), Cambridge Univ. Press, pp. 281-315, Bell, J.F., W.M. Calvin, W.H. Farrand, R. Greeley, J.R. Johnson, B. Jolliff, R.V. Morris, R.J. Sullivan, S. Thompson, A. Wang, C. Weitz, and S.W. Squyres.
414. 2008, Soil sedimentology at Gusev Crater from Columbia Memorial Station to Winter Haven, *J. Geophys. Res.*, *113*, E06S05, doi:10.1029/2007JE002953, Cabrol, N.A., K.E. Herkenhoff, R. Greeley, E.A. Grin, C. Schroder, C. d'Uston, C. Weitz, R.A. Yingst, B.A. Cohen, J. Moore, A. Knudson, B. Franklin, R.C. Anderson, and R. Li.
415. 2008, Wind-driven particle mobility on Mars: insights from Mars Exploration Rover observations at "El Dorado" and surroundings at Gusev Crater, *J. Geophys. Res.*, *113*, E06S07, doi:10.1029/2008JE003101, Sullivan, R., R. Arvidson, J.F. Bell III, R. Gellert, M. Golombek, R. Greeley, K. Herkenhoff, J. Johnson, S. Thompson, P. Whelley, and J. Wray.
416. 2008, Rock abrasion features in the Columbia Hills, Mars, *J. Geophys. Res.*, *113*, E08010, doi:10.1029/2007JE003018, Thomson, B.J., N.T. Bridges, and R. Greeley.
417. 2008, Dust devil speeds, directions of motion and general characteristics observed by the Mars Express High Resolution Stereo Camera, *Icarus*, *197*, 39-51, Stanzel, C., M. Patzold, D.A. Williams, P.L. Whelley, R. Greeley, G. Neukum, and the HRSC Co-Investigator Team.
418. 2008, Geologic mapping of the Zal region of Io, *Icarus*, *197*, 354-367, Bunte, M., D.A. Williams, and R. Greeley.
419. 2008, Relating volcano morphometry to the developmental progression of Hawaiian shield volcanoes through slope and hypsometric analyses of SRTM data, *J. Geophys. Res.*, *113*, B09208, doi:10.1029/2006JB004661, Bleacher, J.E. and R. Greeley.
420. 2008, Tyrrhena Patera: Geologic history derived from Mars Express High Resolution Stereo Camera, *J. Geophys. Res.*, *113*, E11005, doi:10.1029/2008JE003104, Williams D.A., R. Greeley, S.C. Werner, G. Michael, D.A. Crown, G. Neukum, and J. Raitala.
421. The Circum-Hellas volcanic province, Mars: Overview, *Planet Space Sci.*, (*in press*), Williams, D.A., R. Greeley, R.L. Fergason, R. Kuzmin, T.B. McCord, J.-P. Combe, J.W. Head III, L. Xiao, L. Manfredi, F. Poulet, P. Pinet, D. Baratoux, J.J. Plaut, J. Raitala, G. Neukum, and the HRSC Co-Investigator Team.
422. Episodes of floods in Mangala Valles, Mars, from the analysis of HRSC MOC and THEMIS images, *Planetary Space Sci.*, (*in press*), Basilevsky, A.T., G. Neukum, S.C. Werner, A. Dumke, S. van Gasselt, T. Kneissl, W. Zuschneid, D. Rommel, L. Wendt, M. Chapman, J.W. Head, and R. Greeley.
423. 2009, Mars sands: estimated maximum transport distances (*submitted*), Greeley, R. and M.D. Kraft, *J. Geophys. Res.*
424. 2009, The Exploration of Europa, *in* Europa, Pappalardo, R.T., W.B. McKinnon, and K. Khurana (Eds.), Univ. of Arizona Press, pp. _____, Alexander, C., G. Consolmagno, R. Greeley and D. Morrison (*in press*).
425. 2009, Future Exploration of Europa, *in* Europa, Pappalardo, R.T., W.B. McKinnon, and K.

- Khurana (Eds.), Univ. of Arizona Press, pp. _____, Greeley, R., R.T. Pappalardo, L. Prockter, and A. Hendrix (*in press*).
426. 2009, Global Stratigraphy and Geologic Evolution of Europa, *in Europa*, Pappalardo, R.T., W.B. McKinnon, and K. Khurana (Eds.), Univ. of Arizona Press, pp. _____, Doggett, T., R. Greeley, P. Figueredo, and K. Tanaka (*in press*).

Notes, Abstracts, and Reviews

1. 1966, Cenozoic and recent lunulitiform bryozoans of the Gulf and Atlantic Coastal Plains, University of Missouri and Rolla, Tech. Series, no. 103, 34, Greeley, R.
2. 1966, Ecology of lunulitiform bryozoans, *Proc. Mississippi Academy of Sciences*, 12, 126, Greeley, R.
3. 1968, Estimated ages of some major lunar craters, *Trans. Amer. Geophys. Union*, 49, 273, Gault, D. and R. Greeley.
4. 1968, Tectonic history of lunar crater Copernicus, *Astron. Soc. of Pacific Proc.*, 558, Greeley, R. and D. Gault.
5. 1968, The Swan Valley "craters" (Idaho), *Meteoritics*, 4(3), 182, Greeley, R., D. Gault, and T. Bunch.
6. 1969, Geology and morphology of a small lava tube, *Trans. Amer. Geophys. Union*, 50, 678, Greeley, R.
7. 1970, Topographic evidence for lunar lava tubes and channels, *Meteoritics*, 5(4), 202, Greeley, R.
8. 1970, Possible endogenetic craters associated with formations in the rim of Copernicus, *Trans. Amer. Geophys. Union*, 51(11), 773, Greeley, R. and D. Gault.
9. 1970, Lava tubes of Mount St. Helens, Wash., *Abstracts, Geol. Soc. Amer.*, 2(2), 96-97, Greeley, R. and J. Hyde.
10. 1970, Laboratory model studies of isostatic adjustments in large lunar craters, *Trans. Amer. Geophys. Union*, 51(4), 342-343, Wedekind, J., D. Gault, and R. Greeley.
11. 1971, Origin of the Lunar Hadley Rille, *Trans. Amer. Geophys. Union*, 52, 274, Greeley, R.
12. 1971, Hambone, California, and its magnificent lava tubes, *Abstracts, Geol. Soc. Amer.*, 3, 128, Greeley, R. and R. Baer.
13. 1971, Phreatic explosion in a lava tube, *Trans. Amer. Geophys. Union*, 52, 433, Hyde, J. and R. Greeley.
14. 1971, Bruneau Sand Dune Field, Idaho, and its possible implications in Martian geology, *Trans. Amer. Geophys. Union*, 52, 860, Greeley, R., D.E. Koscielniak, and D.S. Hodge.
15. 1972, Formation of multiple lava tubes, *Trans. Amer. Geophys. Union*, 53(3), 276, Greeley, R.
16. 1972, Laboratory simulation of aeolian-modified craters - preliminary report, *Trans. Amer. Geophys. Union*, 53(4), 427, Greeley, R.
17. 1972, Sand dunes at Eagle Cover (Bruneau), Idaho; Possible analogs to martian aeolian features, *Trans. Amer. Geophys. Union*, 53, 1035, Murphy, J.D. and R. Greeley.
18. 1973, Basalt geomorphology and planetary analogs, *Trans. Amer. Geophys. Union*, 54, 142, Greeley, R.
19. 1973, Split Butte Crater (Idaho) and its planetological implications, *Trans. Amer. Geophys. Union*, 54, 1126, King, J. and R. Greeley.

20. 1973, Laboratory simulations of wind erosion and deposition associated with martian craters, *Trans. Amer. Geophys. Union*, 54, 1127, Greeley, R., J. Pollack, and J. Iversen.
21. 1974, Use of thermal infrared imagery in landslide analysis and the potential for remotely monitoring mass movement, *Geol. Soc. Amer.*, 6(3), 184, Greeley, R., M.B. Blanchard, and R.H. Gelnett.
22. 1974, Applications of thermal imagery to highway problems, *Geol. Soc. Amer.*, 6(5), 444, Greeley, R., M.B. Blanchard, and H. Shade.
23. 1974, Aeolian erosion on Mars: Part II: Estimated thickness of surface dust in the Daedalia Region of Mars, 1971, *Geol. Soc. Amer.*, 6, 765-766, Greeley, R., J. Iversen, B. White, and J. Pollack.
24. 1974, Aeolian erosion on Mars: Part I: Erosion rate similitude, *Geol. Soc. Amer.*, 6, 806-807, Iversen, J., R. Greeley, B. White, and J. Pollack.
25. 1975, A model for the emplacement of lunar basin-filling basalts, *Lunar Planet. Sci.*, VI, 309-310, Greeley, R.
26. 1975, The significance of lava tubes and channels in comparative planetology, *Proc. Conf. Origins of Mare Basalts*, Lunar Sci. Inst., 53-55, Greeley, R.
27. 1975, Lava tubes: Earth, Moon and Mars, *Inter. Colloq. Planetary Geology*, Rome, 163-164, Greeley, R.
28. 1975, Rift zones in the south-central Snake River Plain, Idaho, *Geol. Soc. Amer.*, 7(5), 610-611, Greeley, R. and J.S. King.
29. 1975, Lunar ring-moat structures in Letronne and the Flamsteed Ring, *Trans. Amer. Geophys. Union*, 56, 1015, Greeley, R. and P.H. Schultz.
30. 1975, Preliminary analysis of the topography of a segment of Davy Catena, *Lunar Planet. Sci.*, VI, 613-615, Oberbeck, V.R. and R. Greeley.
31. 1975, Lunar ring-moat structures: Constraints on degradational models, *Trans. Amer. Geophys. Union*, 56(12), 1015, Schultz, P.H., R. Greeley, and D.E. Gault.
32. 1975, Estimated grain saltation in a martian atmosphere, *AIAA-AGU Conf. Explor. Outer Planets*, Paper 75-1146, 11, White, B.R., R. Greeley, J.D. Iversen, and J.B. Pollack.
33. 1976, Mare emplacement in the Orientale Basin, *Lunar Planet. Sci.*, VII, 334-335, Greeley, R.
34. 1976, Preliminary assessment of martian volcanic features from Viking data, Div. Planet. Science, Greeley, R., M.H. Carr, J.E. Guest, H. Masursky, and K. Blasius.
35. 1976, Frequency distribution of lava tubes and channels on Mauna Loa Volcano, Hawaii, *Geol. Soc. Amer. Abstracts with Programs*, 8(6), 892, Greeley, R., C. Wilbur, and D. Storm.
36. 1976, Ancient lunar tides and the emplacement of the maria, *Lunar Planet. Sci.*, VII, 785-787, Schultz, P.H., J.A. Burns, and R. Greeley.
37. 1976, Degradation of small lunar surface features, *Lunar Planet. Sci.*, VII, 782-784, Schultz, P.H., R. Greeley, and D.E. Gault.

38. 1977, Possible lunar analogs to Snake River Plain basalt morphology, in *Abstracts for the Planetary Geology Field Conference on the Snake River Plain, Idaho, NASA TM-78436*, 23-26, Schultz, P.H. and R. Greeley.
39. 1977, Volcanism in the cratered uplands of Mars - a preliminary Viking view, *Trans. Amer. Geophys. Union*, 58, 1182, Spudis, P.D. and R. Greeley.
40. 1977, Role of lava tubes in flows from observatory vent, 1971 eruption of Mount Etna, in *Abstracts for the Planetary Geology Field Conference on the Snake River Plain, Idaho, NASA TM-78436*, 19-22, Guest, J.E., J.R. Underwood, Jr., and R. Greeley.
41. 1978, Mars: A model for the formation of dunes and related structures, in *Reports of Planetary Geology Program, 1978-1979, NASA TM-79729*, 244-245, Greeley, R.
42. 1978, Planetary Geology Conference on Aeolian Processes, in *Reports of Planetary Geology Program, 1978-1979, NASA TM-79729*, 337, Greeley, R.
43. 1978, A preliminary assessment of the effects of electrostatics on aeolian processes, in *Reports of Planetary Geology Program, 1978-1979, NASA TM-79729*, 236-237, Greeley, R. and R. Leach.
44. 1978, The patera of Mars - a unique style of planetary volcanism, *Trans. Amer. Geophys. Union*, 59, 310, Greeley, R. and P.D. Spudis.
45. 1978, Mare volcanism in the Herigonius region of the Moon, *Lunar Planet. Sci., IX*, 408-410, Greeley, R. and P.D. Spudis.
46. 1978, Ridges in Western Columbia Plateau, Washington - analogs to mare-type ridges?, *Lunar Planet. Sci., IX*, 411-412, Greeley, R. and P.D. Spudis.
47. 1978, Small volcanic constructs in the Chryse Planitia region of Mars, in *Reports of Planetary Geology Program, 1978-1979, NASA TM-79729*, 202, Greeley, R. and E. Theilig.
48. 1978, Comparison of wind-tunnel-model and atmospheric full-scale experiments of the Amboy crater and adjacent topography, in *Abstracts for the Planetary Geology Field Conference on Aeolian Processes, NASA TM-78455*, 24-26, Iversen, J.D. and R. Greeley.
49. 1978, Wind tunnel and field experiments of Amboy Crater - a terrestrial analog to martian crater-associated dark streaks, in *Reports of Planetary Geology Program, 1978-1979, NASA TM-79729*, 222-224, Iversen, J.D. and R. Greeley.
50. 1978, Surface textures of sand sized particles abraded under Earth and martian conditions, in *Abstracts for the Planetary Geology Field Conference on Aeolian Processes, NASA TM-78455*, 30-32, Krinsley, D.H. and R. Greeley.
51. 1978, Surface textures of sand-sized particles abraded under Earth and martian conditions, in *Reports of Planetary Geology Program, 1977-1978, NASA TM-79729*, 225-227, Krinsley, D.H. and R. Greeley.
52. 1978, Channeling history of Maja Vallis, in *Reports of Planetary Geology Program, 1978-1979, NASA TM-79729*, 269-271, Theilig, E. and R. Greeley.

53. 1978, Episodic channeling and layered terrain on Mars: Implications for ground ice, *Proc. Second Colloq. on Planetary Water and Polar Processes*, Hanover, New Hampshire, 151-157, Theilig, E. and R. Greeley.
54. 1978, Wind transport on Mars, in *Abstracts for Planetary Geology Field Conference on Aeolian Processes*, NASA TM-78455, 48-51, White, B.R. and R. Greeley.
55. 1978, Wind transport rates on Mars, in *Reports of Planetary Geology Program 1978-1979*, NASA TM-79729, 241-243, White, B.R. and R. Greeley.
56. 1978, Aeolian processes on Mars, in *Abstracts from Symposium of the European Planetary Geology Consortium*, Paris, Greeley, R., R. Papson, S. Williams, B. White, J. Iversen, and J. Pollack.
57. 1978, Geology and aeolian features of the Hellas Basin floor, in *Abstracts for the Planetary Geology Field Conference on Aeolian Processes*, NASA TM-78455, 19-21, Greeley, R., P.D. Spudis, and D. Johannesen.
58. 1978, The patera of Mars - a unique style of planetary volcanism, *Trans. Amer. Geophys. Union*, 310, Greeley, R., P.D. Spudis, and M. Womer.
59. 1978, The stratigraphy of the Caloris Basin, in *Reports of Planetary Geology Program, 1977-1978*, NASA TM-79729, 75-77, McCauley, J.F., J.E. Guest, N.J. Trask, G.G. Schaber, R. Greeley, D. Gault, and H.E. Holt.
60. 1978, Eolian activity in the Tharsis/Syria Planum region on Mars: A summary of Viking and Mariner 9 results, in *Reports of Planetary Geology Program, 1978-1979*, NASA TM-79729, 246, Veverka, J., P. Thomas, S. Lee, and R. Greeley.
61. 1978, Wake of a three-dimensional disturbance in a turbulent boundary layer, in *Abstracts for Planetary Geology Field Conference on Aeolian Processes*, NASA TM-78455, 52-56, White, B., J. Iversen, and R. Leach.
62. 1979, A model for the formation of windblown sand-size particles and related structures on Mars, in *Intern. Coll. on Mars II*, NASA Conf. Pub. 2072, 32, Greeley, R.
63. 1979, "Steam" injection of dust on Mars: Laboratory simulation, in *Reports of Planetary Geology Program, 1978-1979*, NASA TM-80339, 304-307, Greeley, R. and R. Leach.
64. 1979, Mars: The volcanic history interpreted from Viking Orbiter images, in *Bull. Amer. Astro. Soc.*, 11(3), 573, Greeley, R. and P. Spudis.
65. 1979, Mars: Preliminary estimates of rates of wind erosion based on laboratory simulations, *Lunar Planet. Sci.*, X, 461-463, Greeley, R. and S. Williams.
66. 1979, Infrared characterization of wind streaks on Mars, in *Bull. Amer. Astron. Soc.*, 11(3), 576, Peterfreund, A.R. and R. Greeley.
67. 1979, Channels and plains of the lunae Planum-Chryse Planitia region of Mars, in *Reports of Planetary Geology Program*, NASA TM-80339, 346-348, Theilig, E. and R. Greeley.
68. 1979, Experimental modeling of erosional windforms, in *Reports of Planetary Geology Program*, NASA TM-80339, 326-327, Ward, A.W. and R. Greeley.

69. 1979, Martian multilobed craters: Impact cratering simulations, in *EOS Trans., AGU*, 60(46), 873, Greeley, R., D.E. Gault, D.B. Snyder, V. Sisson, P. Schultz, and J. Guest.
70. 1979, Means for detection of basaltic fissure vents: The 1823 Keaiwa flow Hawaii, in *Reports of Planetary Geology Program, NASA TM-80339*, 268-269, Greeley, R., A. Peterfreund, J.E. Guest, and R. Tilling.
71. 1979, Simulated aeolian abrasion of quartz and basalt under martian conditions, in *Intern. Coll. on Mars II, NASA Conf. Pub. 2072*, 49, Krinsley, D., R. Greeley, and T. McKee.
72. 1979, Simulated martian aeolian abrasion and the creation of "aggregates," in *Reports of Planetary Geology Program, NASA TM-80339*, 313-315, Krinsley, D., R. Leach, R. Greeley, and T. McKee.
73. 1979, Material removal and production of fines during aeolian erosion of minerals: Mars and Earth, in *Reports of Planetary Geology Program, NASA TM-80339*, 308-310, McKee, T., R. Greeley, and D. Krinsley.
74. 1979, Simulated aeolian erosion of quartz, in *Proc. 37th Ann. Proc. Electron Microscopy Soc. Amer.*, San Antonio, Texas, 624-625, McKee, T., R. Greeley, and D. Krinsley.
75. 1979, Production mechanism of quartz silt and clay during aeolian erosion, Clay Minerals Society Annual Mtg., Program and Abstracts, Macon, Georgia, in press, McKee, T., D. Krinsley, and R. Greeley.
76. 1979, Sand dunes of the north polar region of Mars: Mapping and analysis, *Lunar Planet. Sci.*, X, 1242-1244, Tsoar, H., R. Greeley, R. Papsen, and S. Squyres.
77. 1979, Wind patterns and cyclone formation in the north polar region of Mars: Analyses from sand dune morphologies, in *Reports of Planetary Geology Program, NASA TM-80339*, 316-318, Tsoar, H., R. Greeley, and A.R. Peterfreund.
78. 1979, Numerical solutions to particle flow on Mars, in *Reports of Planetary Geology Program, NASA TM-80339*, 322-324, White, B.R., R. Greeley, and J.D. Iversen.
79. 1979, Calibration of the MARSWIT tunnel for determination of particle threshold speeds, in *Reports of Planetary Geology Program, NASA TM-80339*, 319-321, White, B.R., R. Leach, J.D. Iversen, and R. Greeley.
80. 1979, Pyroclastic volcanism of the Snake River Plain, Idaho: Implications for Mars, in *Reports of Planetary Geology Program, NASA TM-80339*, 265-267, Womer, M., R. Greeley, and J. King.
81. 1980, Pristine morphology of a quasi-flood basalt flow: The Bardardalshraun of Trolladyngja, Iceland, *NASA TM-82385*, 245-246, Greeley, R. and H. Sigurdsson.
82. 1980, Mars: Simulation of surface wind abrasion, in *Reports of Planetary Geology Program, NASA TM-81776*, 241-243, Greeley, R. and S.H. Williams.
83. 1980, Mare basin filling: Laboratory simulations, *Lunar Planet. Sci.*, XI, 362-364, Greeley, R. and M. Womer.
84. 1980, The volcanic resurfacing history of Mars, in *Reports of Planetary Geology Program, NASA TM-81776*, 173-175, Spudis, P.D. and R. Greeley.

85. 1980, Dunes related to obstacles on Earth and Mars: Observation and simulation, in *Reports of Planetary Geology Program, NASA TM-81776*, 257-259, Tsoar, H. and R. Greeley.
86. 1980, Estimate of characteristic grain sizes for martian dunes, *Lunar Planet. Sci.*, XI, 1169-1171, Tsoar, H. and R. Greeley.
87. 1980, Wind erosion on Mars: An estimate of the rate of abrasion, *Lunar Planet. Sci.*, XI, 1254-1256, Williams, S.H. and R. Greeley.
88. 1980, Scale model simulation of mare basalts, in *Reports of Planetary Geology Program, NASA TM-81776*, 210-212, Womer, M.B., R. Greeley, and J.D. Iversen.
89. 1980, Impact cratering in viscous targets, in *Reports of Planetary Geology Program, NASA TM-81776*, 95, Greeley, R., D.E. Gault, D.B. Snyder, V. Sisson, P.H. Schultz, and J.E. Guest.
90. 1980, Venus: Consideration of aeolian (windblown) processes, *Lunar Planet. Sci.*, XI, 360-361, Greeley, R., J. Iversen, R. Leach, and J. Pollack.
91. 1980, Threshold windspeeds for sand on Mars: Wind tunnel simulations, in *Reports of Planetary Geology Program, NASA TM-81776*, 226-227, Greeley, R., R. Leach, B.R. White, J.D. Iversen, and J.B. Pollack.
92. 1981, Planetary Geology Speakers Bureau, *NASA TM-84211*, 527, Greeley, R. and R. D'Alli.
93. 1981, Ganymede rampart craters, *NASA TM-84211*, 82-84, Horner, V.M. and R. Greeley.
94. 1981, Martian ejecta flow craters, *NASA TM-84211*, 75-77, Horner, V.M. and R. Greeley.
95. 1981, Martian ejecta flow craters, *Third Inter. Colloq. on Mars*, 115-116, Horner, V.M. and R. Greeley.
96. 1981, A search for terrestrial analogs to martian multilobed impact craters, *NASA TM-84211*, 78-80, McHone, J.F. and R. Greeley.
97. 1981, Martian volatile-rich impact craters: A search for terrestrial analogs, *Third Inter. Colloq. on Mars*, 156-158, McHone, J.F. and R. Greeley.
98. 1981, The geology of Tyrrhena Patera: Implications for martian central vent pyroclastic volcanism, *Third Inter. Colloq. on Mars*, 247-249, Spudis, P.D. and R. Greeley.
99. 1981, Soil transport by winds on Venus, *NASA TM-84211*, 201-202, White, B.R. and R. Greeley.
100. 1981, Formation and evolution of playa ventifacts, Amboy, California, *NASA TM-84211*, 197-199, Williams, S. and R. Greeley.
101. 1981, Surface properties of Mars determined from high resolution infrared and visual data, *NASA TM-84211*, 446-448, Zimbelman, J. and R. Greeley.
102. 1981, Ascraeus Mons: Volcanic surface properties derived from IRTM data, *Third Inter. Colloq. on Mars*, 291-293, Zimbelman, J.R. and R. Greeley.
103. 1981, Experimental impact craters formed in viscous fluids, *NASA TM-84211*, 81, Fink, J.H., D.E. Gault, and R. Greeley.
104. 1981, Io: Cooling models for sulfur flows, *NASA TM-84211*, 36-37, Fink, J., S. Park, and R. Greeley.

105. 1981, Laboratory modeling of sulfur flows on Io, *NASA TM-84211*, 38-39, Greeley, R., J. Fink, and S. Park.
106. 1981, Sulfur flows on Io: Laboratory and theoretical modeling, *Trans. Amer. Geoph. Union*, 64, 1080, Greeley, R., J. Fink, and S. Park.
107. 1981, Venusian surface wind tunnel, *NASA TM-84211*, 200, Greeley, R., J. Iversen, B. White, R. Leach, and S. Williams.
108. 1981, Wind abrasion on Mars: Considerations, simulations, and implications, *Third Inter. Colloq. on Mars*, 98-99, Greeley, R., R.N. Leach, S.H. Williams, B.R. White, J.C. Pollack, D.H. Krinsley, and J.R. Marshall.
109. 1981, Aeolian processes on Venus, *Inter. Conf. Venus Environ.*, 10, Greeley, R., S. Williams, R. Leach, B. White, J. Iversen, and J. Pollack.
110. 1981, A method for modeling of small particle transport, *NASA TM-84211*, 203-204, Iversen, J., R. Greeley, and J. Pollack.
111. 1981, An experimental study of the behavior of electrostatically-charged fine particles in atmospheric suspension, *NASA TM-84211*, 208-210, Marshall, J.R., D. Krinsley, and R. Greeley.
112. 1981, Scale modeling of lava flow processes, *NASA TM-84211*, 160, Park, S.O., J.H. Fink, and R. Greeley.
113. 1981, Sand on Mars, *Third Inter. Colloq. on Mars*, 188-190, Peterfreund, A.R., R. Greeley, and D. Krinsley.
114. 1981, Surface roughness effects on aeolian processes: Wind tunnel experiments, *NASA TM-84211*, 195-196, Reding, L.M., S. Williams, R. Leach, B.R. White, and R. Greeley.
115. 1982, Wind as a geological process: Earth, Mars, Venus and Titan, *11th Intl. Congress on Sedimentologists*, 63, Greeley, R.
116. 1982, Velocities of windblown particles in saltation: Earth and Mars, *11th Intl. Congress on Sedimentologists*, 63, Greeley, R.
117. 1982, Wind abrasion of rocks: Computer simulation, *NASA TM-85127*, 175-176, Greeley, R.
118. 1982, Geological map of Mars, 1:15M scale, Northeast Quadrant, *NASA TM-85127*, 353, Greeley, R.
119. 1982, Planetary Geology Speakers Bureau: The second year, *NASA TM-85127*, 398-399, Greeley, R.
120. 1982, Rolling "stones" on Venus: A mode of wind transport, *Abstracts, Geol. Soc. Amer.*, 14., no. 7, 502, Greeley, R. and S. Williams.
121. 1982, Windblown sand on Venus: Preliminary laboratory simulations, *NASA TM-85127*, 167-169, Greeley, R. and S. Williams.
122. 1982, Pedestal craters on Ganymede: Interior morphology, *NASA TM-85127*, 27-28, Horner, V. and R. Greeley.

123. 1982, Flux of windblown particles on Venus: Preliminary laboratory results, *NASA TM-85127*, 170-172, Williams, S.H. and R. Greeley.
124. 1982, Particle motion of venusian saltation, *NASA TM-85127*, 173-174, White, B.R. and R. Greeley.
125. 1982, Surface properties of ancient cratered terrain in the northern hemisphere of Mars, *Lunar Planet. Sci., XIII*, 889-890, Zimbelman, J.R. and R. Greeley.
126. 1982, The effect of viscosity on the volume and shape of experimental impact craters, *Lunar Planet. Sci., XIII*, 217-218, Fink, J.H., R. Greeley, and D.E. Gault.
127. 1982, The effect of crustal viscosity on impact cratering of icy satellites, *NASA TM-85127*, 101-102, Fink, J.H., R. Greeley, and D.E. Gault.
128. 1982, Experimental insights into the lack of impact craters on Europa, *NASA TM-85127*, 20-21, Greeley, R., J.H. Fink, and D.E. Gault.
129. 1982, Preliminary geological map of Ra Patera Quadrangle, *NASA TM-85127*, 347-348, Greeley, R., P.D. Spudis, and J.E. Guest.
130. 1982, Windblown sand on Venus: Preliminary laboratory simulations, *EOS*, 63(45), 1021, Greeley, R., S. Williams, J.D. Iversen, R. Leach, B.R. White, and J. Pollack.
131. 1982, Wind tunnel modeling of bright and dark crater-associated streaks, *NASA TM-85127*, 185-187, Iversen, J.D., R. Greeley, and J.B. Pollack.
132. 1982, Simulating aeolian processes on Venus with a high-pressure N₂ atmosphere, *NASA TM-85127*, 165-166, Marshall, J., R. Leach, C. Treat, and R. Greeley.
133. 1983, Wind abrasion of rocks: Computer simulation, *Geol. Soc. Amer., Abst.*, 15, no. 5, 401, Greeley, R.
134. 1983, Wind abrasion of rocks: Computer simulation, in *Repts. Planetary Geology Program, NASA TM-85127*, 175-176, Greeley, R.
135. 1983, Experimental impacts into viscous fluids: Implications for oscillating peak models of crater formation, *Lunar Planet. Sci., XIV*, 193-194, Fink, J.H. and R. Greeley.
136. 1983, Analysis of aeolian terrain with SIR-A images, submitted to International Inventory of Current Mexico-related Res., Center for U.S.-Mexican Studies, University of California, San Diego, Greeley, R. and P. Christensen.
137. 1983, Io: Sulfur volcanic constructs?, *Natural Satellites Conf., Intern. Astron. Union Colloq.*, 77, Greeley, R. and J. Fink.
138. 1983, Surface properties of Ascraeus Mons obtained from IRTM data, *Lunar Planet. Sci. XIV*, 881-882, Zimbelman, J.R. and R. Greeley.
139. 1983, Elevation-dependent corrections for thermal inertias on Mars, *Lunar Planet. Sci. XIV*, 879-880, Zimbelman, J.R. and R. Greeley.
140. 1983, Pinacate-Gran Desierto Region, Mexico - SIR-A data analysis, *Abstracts, Geol. Soc. Amer.*, 15, no. 6, 544, Christensen, P., R. Greeley, J. McHone, Y. Asmerom, and S. Barnett.

141. 1983, Radar signatures of wind streaks: Preliminary SIR-A analysis, *Lunar Planet. Sci. XIV*, 259-260, Greeley, R., Y. Asmerom, and S. Barnett.
142. 1983, SIR-A (radar) analogs to potential Venus surface features, *Abstracts, Geol. Soc. Amer.*, 15, 585, Greeley, R., P. Christensen, Y. Asmerom, J. McHone, and S. Barnett.
143. 1983, Radar-visible wind streaks in the Altiplano of Bolivia, *Trans. Amer. Geophys. Union*, 64, 745, Greeley, R., P. Christensen, and R. Carrasco.
144. 1983, Venus: Preliminary wind tunnel simulations of aeolian processes, *Lunar Planet. Sci. XIV*, 261-262, Greeley, R., S.H. Williams, J.R. Marshall, B.R. White, J.D. Iversen, R.N. Leach, and J.B. Pollack.
145. 1984, Aeolian processes on Venus, *Repts. Planetary Geology Program, NASA TM-86246*, 69-70, Greeley, R.
146. 1984, Planetary science experiments aboard Space Station: Workshop report, *Bull. Amer. Astron. Soc.*, 16, 651, Greeley, R.
147. 1984, Velocities of windblown particles in saltation: Venus, Earth, and Mars, in *Repts. Planetary Geology Program, NASA TM-86246*, 166-168, Greeley, R.
148. 1984, Water on Mars, *Trans. Amer. Geophys. Union*, 65, 979, Greeley, R. and K. Burke.
149. 1984, Wind abrasion on Venus: A means for experimental investigations, in *Repts. Planetary Geology Program, NASA TM-86246*, 67-68, Greeley, R.
150. 1984, Morphology of fresh craters on Ganymede and the origin of pedestal craters, in *Repts. Planetary Geology Program, NASA TM-86246*, 94-96, Horner, V.M. and R. Greeley.
151. 1984, The effect of atmospheric drag as a function of elevation on the emplacement of impact crater ejecta on Venus, *Lunar Planet. Sci.*, XV, 375-376, Horner, V.M. and R. Greeley.
152. 1984, A space station wind tunnel for studying sediment transport, *XVI Intern. Cong. Theor. Appl. Mech.*, Lyngby, Denmark, Aug. 19-25, 1984, abstr. #184, Iversen, J.D. and R. Greeley.
153. 1984, Radar observations of fissure-fed basaltic lava flows, Craters of the Moon, Idaho, *Abstracts, Geol. Soc. Amer.*, 16, no. 6, 585, Martel, L. and R. Greeley.
154. 1984, Desert pavement study at Amboy, California, in *Repts. Planetary Geology Program, NASA TM-86246*, 169-170, Williams, S. and R. Greeley.
155. 1984, The effect of particle density on aeolian transport, *Abstracts, Geol. Soc. Amer.*, 16, no. 6, 695, Williams, S.H. and R. Greeley.
156. 1984, Topographic effects on the visual reflectance values of Ascraeus Mons, Mars, *Bull. Amer. Astron. Soc.*, 16, 681, Zimbelman, J.R. and R. Greeley.
157. 1984, Flux and bedforms of windblown material on Venus, *Lunar Planet. Sci.*, XV, 80-81, Bougan, S., R. Greeley, and J. Marshall.
158. 1984, Parameters controlling aeolian bedform development on Venus, *Abstracts, Geol. Soc. Amer.*, 16, 451, Bougan, S.J., J.R. Marshall, and R. Greeley.

159. 1984, Aeolian bedforms and sorting in mixed sands on Venus, *Trans. Amer. Geophys. Union*, 65, 982, Bougan, S., J.R. Marshall, and R. Greeley.
160. 1984, Pinacate-Gran Desierto Region, Mexico - SIR-A data analysis, in *Repts. Planetary Geology Program, NASA TM-86246*, 270, Christensen, P., R. Greeley, J. McHone, Y. Asmerom, and S. Barnett.
161. 1984, Radar-visible wind streaks in the Altiplano of Bolivia, in *Repts. Planetary Geology Program, NASA TM-86246*, 271-272, Greeley, R., P. Christensen, and R. Carrasco.
162. 1984, Mauna Loa 1950 sulfur flow as an analog for fumarolic flows on Io, *Lunar Planet. Sci.*, XV, 322-323, Greeley, R., E. Theilig, and P. Christensen.
163. 1984, The 1950 sulfur flow of Mauna Loa: Considerations for Io, *Repts. Planetary Geology Program, NASA TM-86246*, 133-134, Greeley, R., E. Theilig, and P. Christensen.
164. 1984, Venus: Simulations of aeolian bedforms and comparisons with terrestrial aeolian and subaqueous forms, *Trans. Amer. Geophys. Union*, 65, 982, Marshall, J.R., S. Bougan, and R. Greeley.
165. 1984, Topographic evidence for shield volcanism on Io, *Bull. Amer. Astron. Soc.*, 16, 655, Moore, J.M., E.F. Albin, and R. Greeley.
166. 1984, Multiringed basins of the saturnian satellites, *Abstracts, Geol. Soc. Amer.*, 16, no. 6, 600, Moore, J.M., P.D. Spudis, R.J. Pike, and R. Greeley.
167. 1985, Planetary science experiments aboard Space Station: Workshop report, *Repts. Planetary Geology Program, NASA TM-87563*, 570, Greeley, R.
168. 1985, Dust storms on Mars: Mechanisms for dust-raising, Workshop on Dust on Mars, S. Lee, ed., *LPI Tech. Rept. 85-02*, 3-5, Greeley, R.
169. 1985, Mars: Volcanism and tectonism, *Abstracts, Geol. Soc. Amer.*, 17, 597, Greeley, R.
170. 1985, Aeolian geomorphology from the global perspective, in Hayden, R.S., ed., *Global Mega-Geomorphology*, NASA Conf. Publ. 2312, 64-67, Greeley, R.
171. 1985, A silicic shield volcano in Bolivia, *Repts. Planetary Geology Program, NASA TM-87563*, 275-276, Christensen, P.R. and R. Greeley.
172. 1985, SIR-A observations of a silicic shield volcano in Bolivia, *Lunar Planet Sci. XVI*, 123-124, Christensen, P.R. and R. Greeley.
173. 1985, Sulfur volcanoes on Io?, *Repts. Planetary Geology Program, NASA TM-87563*, 14, Greeley, R. and J. Fink.
174. 1985, Rolling as a possible mode of wind transport on Venus and resulting bedforms, *Lunar Planet. Sci. XVI*, 292-293, Greeley, R. and J. Marshall.
175. 1985, Hadley Rille, lava tubes and mare volcanism at the Apollo 15 site, *Workshop on the Geology and Petrology of the Apollo 15 landing site*, LPI Tech. Rept. 86-03, 58-61, Greeley, R. and P.D. Spudis.
176. 1985, Lava flows in southwest Tharsis: Modes of emplacement, *Lunar Planet. Sci. XVI*, 294-295, Greeley, R. and E. Theilig.

177. 1985, The nature of martian flow ejecta craters, *Repts. Planetary Geology Program, NASA TM-87563*, 202-203, Horner, V.M. and R. Greeley.
178. 1985, Relative effects of elevation and geologic unit on martian ejecta flow crater morphology and extent, *Bull. Amer. Astron. Soc. 17*, 737, Horner, V.M. and R. Greeley.
179. 1985, Radar study of a basaltic lava plain: Craters of the Moon, Idaho, *Lunar Planet. Sci. XVI*, 521-522, Martel, L. and R. Greeley.
180. 1985, Plate theory applied to pressure ridges on basaltic lava flows, *Trans. Amer. Geophys. Union*, 66, 1125, Theilig, E. and R. Greeley.
181. 1985, Aeolian activity on Venus: The effect of atmospheric density on saltation flux, *Lunar Planet. Sci. XVI*, 908-909, Williams, S.H. and R. Greeley.
182. 1985, A comparison of terrestrial saltation flux in the laboratory and the field, *Repts. Planetary Geology Program, NASA TM-87563*, 305-306, Williams, S. and R. Greeley.
183. 1985, The effect of particle density on aeolian transport, *Repts. Planetary Geology Program, NASA TM-87563*, 303-304, Williams, S.H. and R. Greeley.
184. 1985, Geologic interpretation of remote sensing data for the martian volcano, Ascraeus Mons, *Repts. Planetary Geology Program, NASA TM-87563*, 383-384, Zimbelman, J. and R. Greeley.
185. 1985, Topographic evidence for shield volcanism on Io, *Repts. Planetary Geology Program, NASA TM-87563*, 12-13, Albin, E.F., J.M. Moore, and R. Greeley.
186. 1985, Potential bedforms on Venus: Wind tunnel simulations, *Repts. Planetary Geology Program, NASA TM-87563*, 307-308, Bougan, S.J., J. Marshall, and R. Greeley.
187. 1985, Water-ice clouds on Mars: Location and seasonal variation, *Repts. Planetary Geology Program, NASA TM-87563*, 389-390, Christensen, P.R., L. Jaramillo, and R. Greeley.
188. 1985, Analyses of radar images of small craters, *Repts. Planetary Geology Program, NASA TM-87563*, 474-475, Greeley, R., P.R. Christensen, and J.F. McHone.
189. 1985, Radar characteristics of small craters: Implications for Venus, *Lunar Planet. Sci. XVI*, 290-291, Greeley, R., P. Christensen, and J.F. McHone.
190. 1985, Microdunes and other aeolian bedforms on Venus: Wind tunnel simulations, *Repts. Planetary Geology Program, NASA TM-87563*, 309, Greeley, R., J.R. Marshall, and R.N. Leach.
191. 1985, Effect of density ratio: Threshold speeds on Venus, *Lunar Planet. Sci. XVI*, 388-389, Iversen, J.D., R. Greeley, J.R. Marshall, R.N. Leach, and B.R. White.
192. 1985, Theoretical investigation of the evolution of eolian landforms, *Repts. Planetary Geology Program, NASA TM-87563*, 580-582, MacKinnon, D.J., A.W. Ward, and R. Greeley.
193. 1985, Discovery of a resurgent caldera in Bolivia from Landsat, *Lunar Planet. Sci. XVI*, 532-533, McEwen, A.S., P.R. Christensen, and R. Greeley.

194. 1985, The geomorphology of Rhea, *Repts. Planetary Geology Program, NASA TM-87563*, 376-378, Moore, J.M., V.M. Horner, and R. Greeley.
195. 1985, Topographic evidence for shield volcanism on Io: Implications for composition and lithospheric thickness, *Lunar Planet. Sci. XVI*, 575-576, Moore, J.M., A.S. McEwen, E.F. Albin, and R. Greeley.
196. 1986, The role of lava tubes in Hawaiian volcanoes, *Repts. Planetary Geology Program, NASA TM-88383*, 309-310, Greeley, R.
197. 1986, Planetary Geology Speakers Bureau and short course, *Repts. Planetary Geology Program, NASA TM-88383*, 623, Greeley, R.
198. 1986, Water on Mars: Amounts and timing released in association with volcanism, *Trans. Amer. Geophys. Union*, 67, 1074, Greeley, R.
199. 1986, Martian dust: The case for "parna", in Workshop on Dust on Mars II, S. Lee, ed., *LPI Tech. Rept.*, No. 86-09, 26-28, Greeley, R.
200. 1986, Toward an understanding of the martian dust cycle, in Workshop on Dust on Mars II, S. Lee, ed., *LPI Tech. Rept.*, No. 86-09, 29-31, Greeley, R.
201. 1986, Volcanic processes of the terrestrial planets, *Geol. Soc. Amer., Abstracts with Programs*, 18, 358, Greeley, R.
202. 1986, Windblown dust: Simulations of its movement and behavior, *12th Internat. Sedimentological Congress*, Canberra, Australia, Greeley, R.
203. 1986, Dust storms on Mars: Mechanisms for dust-raising, *Repts. Planetary Geology Program, NASA TM-88383*, 242-244, Greeley, R.
204. 1986, Planetology experiments on Space Station: Workshop results, *Repts. Planetary Geology Program, NASA TM-88383*, 624-625, Greeley, R.
205. 1986, Space Station Planetology Experiments (SSPEX), *XXVI COSPAR 86*, Toulouse, France, 159-160, Greeley, R.
206. 1986, Mars: Volcanic plains in the cratered uplands and possible tectonic associations, *Lunar Planet. Sci. XVII*, 7-8, Albin, E.F. and R. Greeley.
207. 1986, Observations of active sulfur flows: Implications for Io, *Lunar Planet. Sci. XVII*, 285-286, Greeley, R. and S.W. Lee.
208. 1986, Hadley Rille, lava tubes and mare volcanism at the Apollo 15 site, *Repts. Planetary Geology Program, NASA TM-88383*, 302-305, Greeley, R. and P.D. Spudis.
209. 1986, Martian lava flows: Morphology and modes of emplacement, *Repts. Planetary Geology Program, NASA TM-88383*, 306-308, Greeley, R. and E. Theilig.
210. 1986, Effects of elevation and plains thicknesses on martian crater ejecta morphologies on the ridged plains, *Repts. Planetary Geology Program, NASA TM-88383*, 446-448, Horner, V.M. and R. Greeley.
211. 1986, Effects of elevation and plains thicknesses on martian crater ejecta morphologies for the ridged plains, *Lunar Planet. Sci. XVII*, 358-359, Horner, V.M. and R. Greeley.

212. 1986, Extensional tectonics of the saturnian satellites, *Repts. Planetary Geology Program, NASA TM-88383*, 90-91, Moore, J.M. and R. Greeley.
213. 1986, Modeling of pressure ridge formation on compound pahoehoe lava flows, *Lunar Planet. Sci. XVII*, 885-886, Theilig, E. and R. Greeley.
214. 1986, Lava flows: Application of plate theory to pressure ridge formation, *Repts. Planetary Geology Program, NASA TM-88383*, 400-402, Theilig, E. and R. Greeley.
215. 1986, Wind erosion on Mars: Impairment by poor saltation cloud development, *Lunar Planet. Sci. XVII*, 952-953, Williams, S.H. and R. Greeley.
216. 1986, Particle speed and concentration in a saltation cloud: Preliminary wind tunnel results, *Repts. Planetary Geology Program, NASA TM-88383*, 265-267, Williams, S.H. and R. Greeley.
217. 1986, Identification of active sand surfaces: Earth and Mars, *Geol. Soc. Amer., Abstracts with Programs*, 18, 544, Blount, H.G., R. Greeley, and P.R. Christensen.
218. 1986, The aeolian environment on Venus, *Lunar Planet. Sci. XVII*, 74-75, Bougan, S., R. Greeley, and J.R. Marshall.
219. 1986, Mars water-ice clouds, *Repts. Planetary Geology Program, NASA TM-88383*, 512-514, Christensen, P.R., R.W. Zurek, and R. Greeley.
220. 1986, Transverse bedforms in high-density fluids: Venus and Earth, *Repts. Planetary Geology Program, NASA TM-88383*, 257-259, Marshall, J.R., R. Greeley, D. Fox, S. Bougan, and M. Sheridan.
221. 1986, Aeolian-induced surface accretions on venusian rocks: Preliminary laboratory simulations, *EOS, Trans. Amer. Geophys. Union*, 67, 1078, Marshall, J.R., R. Greeley, D.W. Tucker, and J.B. Pollack.
222. 1986, The Morococala Ignimbrite, Bolivia: Digital topography and image processing, *EOS, Trans. Amer. Geophys. Union*, 67, 1077, McEwen, A.S., M.F. Sheridan, R. Greeley, R. Carrasco, and H. Perez.
223. 1986, Geology of the Ruwa Patera Quadrangle of Io, *Repts. Planetary Geology Program, NASA TM-88383*, 598-600, Schaber, G.G., D.H. Scott, and R. Greeley.
224. 1986, New geologic map of Mars, *Repts. Planetary Geology Program, NASA TM-88383*, 601-602, Tanaka, K.L., R. Greeley, D.H. Scott, and J.E. Guest.
225. 1987, Desert "varnish": Earth, Mars, and Venus, in *IUGG XIX General Assembly, I*, Vancouver, Canada, 96, Greeley, R.
226. 1987, Terrestrial arid land studies: Connections with Mars and Venus, *Geol. Soc. Amer., Abstracts with Programs*, 19, 683, Greeley, R.
227. 1987, Correlated noise as a planetary image enhancement technique, *Bull. Amer. Astron. Soc.*, 19, 847, Blount, G. and R. Greeley.
228. 1987, Lunar rotation and the distribution of dark-halo pyroclastic deposits: A cause for asymmetric ejecta patterns, *Lunar Planet. Sci. XVIII*, 91-92, Blount, G. and R. Greeley.

229. 1987, Thickness and volume of Mare Tsiolkovsky, lunar farside, *Lunar Planet. Sci. XVIII*, 201-202, Craddock, R.A. and R. Greeley.
230. 1987, Structural control of lunar sinuous rilles in the Orientale Basin, *Lunar Planet. Sci. XVIII*, 213-214, Crown, D.A. and R. Greeley.
231. 1987, Ejecta types on Ganymede and Callisto, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 435-437, Horner, V.M. and R. Greeley.
232. 1987, Ganymede and Callisto: Impact crater ejecta types, *Lunar Planet. Sci. XVIII*, 437-438, Horner, V.M. and R. Greeley.
233. 1987, Sediment-transport experiments in zero-gravity, *Space Station Planetology Experiments (SSPEX) Workshop, NASA CP-2494*, A48-A50, Iversen, J.D. and R. Greeley.
234. 1987, Mars: Morphology of southern hemisphere intracrater dunefields, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 264-265, Lancaster, N. and R. Greeley.
235. 1987, Determination of surface shear stress with the naphthalene sublimation technique, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 285-287, Lee, J.A. and R. Greeley.
236. 1987, Reynolds number effects on surface shear stress patterns around isolated hemispheres, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 282-283, Lee, J.A. and R. Greeley.
237. 1987, Electrostatic aggregation of finely-comminuted geological materials, *Space Station Planetology Experiments (SSPEX) Workshop, NASA CP-2494*, A68-A69, Marshall, J.R. and R. Greeley.
238. 1987, Emplacement mechanism for compound pahoehoe lava flows, *Geol. Soc. Amer., Abstracts with Programs, 19*, 866, Theilig, E. and R. Greeley.
239. 1987, Martian volcanism: Festoon-like ridges on terrestrial basalt flows and implications for Mars, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 342-344, Theilig, E. and R. Greeley.
240. 1987, Mass transport by aeolian saltation on Earth, Mars, and Venus: The effects of full saltation cloud development and choking, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 274-275, Williams, S.H. and R. Greeley.
241. 1987, Particle speed and concentration in the saltation cloud: Full saltation development and choking, *Lunar Planet. Sci. XVIII*, 1088-1089, Williams, S.H. and R. Greeley.
242. 1987, Regional aeolian dynamics from remote sensing: A test case for Mars Observer, *Geol. Soc. Amer., Abstracts with Programs, 19*, 592, Blount, G., R. Greeley, and P.R. Christensen.
243. 1987, Bright sand/dark dust: The identification of active sand surfaces on the Earth and Mars, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 257-258, Blount, H.G. II, R. Greeley, P.R. Christensen, and R. Arvidson.
244. 1987, Aeolian mixing and the identification of active sand surfaces on the Earth and Mars, *Lunar Planet. Sci. XVIII*, 95-96, Blount, G., R. Greeley, N. Lancaster, P.R. Christensen, and R. Arvidson.

245. 1987, Martian outflow channels: IRTM and visual observations, *Lunar Planet. Sci. XVIII*, 203-204, Craddock, R.A., R. Greeley, and P.R. Christensen.
246. 1987, High resolution thermal infrared mapping of martian channels, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 261-263, Craddock, R.A., R. Greeley, and P.R. Christensen.
247. 1987, Explosive volcanic deposits on Mars: Preliminary investigations, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 327-329, Crown, D.A., L.A. Leshin, and R. Greeley.
248. 1987, Global geologic mapping of Io, *Lunar Planet. Sci. XVIII*, 359, Greeley, R., R.A. Craddock, D.A. Crown, L.A. Leshin, and G.G. Schaber.
249. 1987, Geologic mapping of Io, *International Workshop on Time-Variable Phenomena in the Jovian System, Program and Abstracts*, 8, Greeley, R., R.A. Craddock, D.A. Crown, L.A. Leshin, and G.G. Schaber.
250. 1987, Geology of Io, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 519-521, Greeley, R., R.A. Craddock, D.A. Crown, L.A. Leshin, and G.G. Schaber.
251. 1987, Venus: High radar reflectivities and the concentration of metallic minerals, *EOS, Trans. Amer. Geophys. Union*, 68, 1339, Greeley, R., J. Marshall, D. Clemens, T. Dobrovolskis, and J. Pollack.
252. 1987, Venus: Compositional and mechanical effects from windblown grains, *Lunar Planet. Sci. XVIII*, 360-361, Greeley, R., J.R. Marshall, and J.B. Pollack.
253. 1987, Design and calibration of the Carousel Wind Tunnel, *Space Station Planetology Experiments (SSPEX) Workshop, NASA CP-2494*, A51-A52, Leach, R.N., R. Greeley, J. Iversen, B. White, and J.R. Marshall.
254. 1987, Development and testing of a unique carousel wind tunnel to experimentally determine the effect of gravity and the interparticle force on the physics of wind-blown particles, *Space Station Planetology Experiments (SSPEX) Workshop, NASA CP-2494*, A53-A55, Leach, R.N., R. Greeley, B. White, and J. Iversen.
255. 1987, Observations of industrial sulfur flows and implications for Io, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 514-516, Lee, S.W., D.A. Crown, N. Lancaster, and R. Greeley.
256. 1987, Observations of industrial sulfur flows: Implications for Io, *Lunar Planet. Sci. XVIII*, 545-546, Lee, S.W., D.A. Crown, N. Lancaster, and R. Greeley.
257. 1987, Cautionary tales for reduced-gravity particle research, *Space Station Planetology Experiments (SSPEX) Workshop, NASA CP-2494*, A65-A67, Marshall, J.R., R. Greeley, and D.W. Tucker.
258. 1987, Aeolian abrasion on Venus: Preliminary results from the Venus Simulator, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 279-281, Marshall, J.R., R. Greeley, D.W. Tucker, and J.B. Pollack.
259. 1987, Wind ripples in low density atmospheres, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 268-270, Miller, J.S., J.R. Marshall, and R. Greeley.

260. 1987, Development of wind tunnel techniques for the solution of problems in planetary aeolian processes, *Repts. Planetary Geology Geophysics Program, NASA TM-89810*, 276-278, Sullivan, R., J. Lee, and R. Greeley.
261. 1987, Aeolian processes aboard a space station: Saltation and particle trajectory analysis, *Space Station Planetology Experiments (SSPEX) Workshop, NASA CP-2494*, A101-A103, White, B.R., R. Greeley, J.D. Iversen, and R.N. Leach.
262. 1987, Field observations of albedo contrasts associated with wind streaks: Fluvial and botanical effects on aeolian features, *EOS, Trans. Amer. Geophys. Union*, 68, 1341-1342, Zimbelman, J.R., S.H. Williams, R. Greeley, and H.H. Kieffer.
263. 1988, Mars sampling strategy and aeolian processes, in *Workshop on Mars Sample Return*, LPI Tech. Rept. 88-07, Lunar and Planetary Institute, Houston, 92-93, Greeley, R.
264. 1988, Mars: Scientific criteria for surface exploration, Vernadsky-Brown Microsymposium 8th, Moscow, U.S.S.R., 28, Greeley, R.
265. 1988, Photogeological inferences of martian surface composition, in *MEVTV-LPI Workshop: Nature and Composition of Surface Units on Mars*, Zimbelman, J.R., S.C. Solomon, and V.L. Sharpton, eds., LPI Tech. Rpt. 88-05, Lunar and Planetary Institute, Houston, 67-68, Greeley, R.
266. 1988, Early volcanism on Mars: An overview, in *MEVTV-LPI Workshop: Early Tectonic and Volcanic Evolution of Mars*, Lunar and Planetary Institute, Houston, 27-28, Greeley, R.
267. 1988, Volcanism on Mars, *Geol. Soc. Amer., Abstracts with Programs*, 20, A83, Greeley, R.
268. 1988, The martian highland paterae: Evidence for explosive volcanism on Mars, in *MEVTV-LPI Workshop: Early Tectonic and Volcanic Evolution of Mars*, Lunar and Planetary Institute, Houston, 15-17, Crown, D.A. and R. Greeley.
269. 1988, Volcanic landforms in NW Ishtar Terra, Venus, *Trans., Amer. Geophys. Union*, 69, 1295, Gaddis, L.R. and R. Greeley.
270. 1988, Western Daedalia Planum: A proposed martian landing site, *XXVII COSPAR*, Espoo, Finland (in press), Greeley, R. and R. Craddock.
271. 1988, Cold welding in the venusian aeolian environment, *Trans. Amer. Geophys. Union*, 69, 1048, Marshall, J.R. and R. Greeley.
272. 1988, Mars sample return and cratering chronology models: Consequences for the martian history and site selection, *Lunar Planet. Sci., XIX*, 852-853, Neukum, G. and R. Greeley.
273. 1988, Ridge and trough terrain: A geomorphological approach, *Bull., Amer. Astron. Soc.*, 20, 874, Pappalardo, R. and R. Greeley.
274. 1988, Ridge and trough terrain on icy satellites, in *Uranus Colloquium*, Pasadena, CA, p. 5.20, Pappalardo, R. and R. Greeley.
275. 1988, Eruptive viscosity and volcano morphology, in *MEVTV-LPI Workshop: Volcanism on Mars*, Lunar and Planetary Institute, Houston, *LPI Contrib. 660*, 1-3, Posin, S.B. and R. Greeley.

276. 1988, Comparison of aeolian surface roughness measured in a field experiment and in a wind tunnel simulation, *Lunar Planet. Sci. XIX*, 1149-1150, Sullivan, R. and R. Greeley.
277. 1988, Comparison of aeolian surface roughness measured in a field experiment and in a wind tunnel simulation, *Repts. Planetary Geology Geophysics Program, NASA TM-4041*, 264-266, Sullivan, R. and R. Greeley.
278. 1988, Stress analysis of Tellus Regio, Venus and comparison with Venera 15/16 radar images, *Trans., Amer. Geophys. Union*, 69, 1295, Williams, D.R. and R. Greeley.
279. 1988, The effect of particle speed and concentration on aeolian gradation: Earth, Mars, and Venus, *Repts. Planetary Geology Geophysics Program, NASA TM-4041*, 257-259, Williams, S.H. and R. Greeley.
280. 1988, Semi-quantitative remote sensing of aeolian terrains using a linear mixing model, *Repts. Planetary Geology Geophysics Program, NASA TM-4041*, 273-274, Blount, G., R. Greeley, P.R. Christensen, and N. Lancaster.
281. 1988, Interpreting the geologic history of aeolian sand bodies from remote sensing data, *Lunar Planet. Sci. XIX*, 104-105, Blount, G., R. Greeley, P.R. Christensen, and N. Lancaster.
282. 1988, Origin of grooved features in the Hesperian/Noachian cratered terrain, Memnonia Quadrangle (MC-16), Mars, *Lunar Planet. Sci. XIX*, 213-214, Craddock, R.A., R. Greeley and P.R. Christensen.
283. 1988, Origin and age of grooved features in the Memnonia Quadrangle (MC-16), Mars, in *MEVTV-LPI Workshop: Early Tectonic and Volcanic Evolution of Mars*, Lunar and Planetary Institute, Houston, 12-14, Craddock, R.A., R. Greeley, and P.R. Christensen.
284. 1988, Martian channel materials and the formation of channel winds, *Lunar Planet. Sci. XIX*, 215-216, Craddock, R.A., R. Greeley, P.R. Christensen, and F.T. Aldrich.
285. 1988, Characteristics of martian channel materials, *Repts. Planetary Geology Geophysics Program, NASA TM-4041*, 305-307, Craddock, R.A., R. Greeley, P.R. Christensen, and F.T. Aldrich.
286. 1988, Consideration of hydromagmatic origins for Hadriaca Patera and Tyrrhena Patera, *Lunar Planet. Sci. XIX*, 229-230, Crown, D.A., R. Greeley, and M.F. Sheridan.
287. 1988, The Frailes Formation, Bolivia: Analysis of an ignimbrite plateau in the Central Andes using LANDSAT Thematic Mapper Data, *Trans. Amer. Geophys. Union*, 69, 1507, Crown, D.A., R. Greeley, M.F. Sheridan, and R. Carrasco.
288. 1988, IRTM analysis of possible explosive volcanic deposits on Mars, *Repts. Planetary Geology Geophysics Program, NASA TM-4041*, 349-351, Crown, D.A., L.A. Leshin, and R. Greeley.
289. 1988, Herschel Basin ejecta and some implications for deciphering the geologic history of the martian cratered highlands, *Lunar Planet. Sci. XIX*, 291-292, Edgett, K.S., R. Greeley, and P.R. Christensen.
290. 1988, Geologic mapping of Io, *Repts. Planetary Geology Geophysics Program, NASA TM-4041*, 544, Greeley, R., R.A. Craddock, D.A. Crown, L.A. Leshin, and G.G. Schaber.

291. 1988, Correlation of radar backscatter and aeolian roughness: Implications for Venus, *Lunar Planet. Sci. XIX*, 423-424, Greeley, R., N. Lancaster, R. Sullivan, R.S. Saunders, E. Theilig, S. Wall, A. Dobrovolskis, B.R. White, and J.D. Iversen.
292. 1988, Investigations of the relationship between radar backscatter and aeolian roughness characteristics of desert surfaces - a preliminary report, *Repts. Planetary Geology Geophysics Program, NASA TM-4041*, 232-234, Greeley, R., N. Lancaster, R. Sullivan, R.S. Saunders, E. Theilig, S. Wall, A. Dobrovolskis, B.R. White, and J.D. Iversen.
293. 1988, Aeolian sorting of heavy minerals on Venus, *Repts. Planetary Geology Geophysics Program, NASA TM-4041*, 260-261, Greeley, R., J.R. Marshall, D. Clemens, A. Dobrovolskis, and J. Pollack.
294. 1988, Mechanical aeolian weathering of venusian surface materials, *Repts. Planetary Geology Geophysics Program, NASA TM-4041*, 262-263, Marshall, J.R., D.W. Tucker, and R. Greeley.
295. 1988, Accretionary layers on venusian surface rocks produced by aeolian impact, *Lunar Planet. Sci. XIX*, 726-727, Marshall, J.R., D.W. Tucker, R. Greeley, and J.B. Pollack.
296. 1988, Atmospheric-lithospheric interactions on Venus: Experimental investigations, *Trans., Amer. Geophys. Union*, 69, 1286, Tucker, D.W., J.R. Marshall, and R. Greeley.
297. 1988, Atmospheric-lithospheric interactions on Venus: Experimental investigations, *Repts. Planetary Geology Geophysics Program, NASA TM-4041*, 119-120, Tucker, D.W., J.R. Marshall, R. Greeley, C. Moore, and J. Pollack.
298. 1988, The formation of antipodal terrains on icy satellites, *Bull., Amer. Astron. Soc.*, 20, 872, Watts, A.W., R. Greeley, and H.J. Melosh.
299. 1989, Aeolian processes on Venus, in *Abstracts for the Venus Geoscience Tutorial and Venus Geologic Mapping Workshop, LPI C-708*, Lunar and Planetary Institute, Houston, 21-22, Greeley, R.
300. 1989, The martian highland paterae: Evidence for explosive volcanism on Mars, *LPI Tech. Rept. 89-04*, 29-31, Crown, D.A., and R. Greeley.
301. 1989, Origin of the martian highland paterae: Consideration of eruptive activity at Hadriaca Patera and Tyrrhena Patera, *Repts. Planetary Geology Geophysics Program, NASA TM-4130*, 384-386, Crown, D.A. and R. Greeley.
302. 1989, Volcanism in NW Ishtar Terra, Venus, *Lunar Planet. Sci.*, XX, 319-320, Gaddis, L.R. and R. Greeley.
303. 1989, Radar observations of flow textures and aeolian mantling deposits at Pisgah volcanic field, CA, *EOS, Trans. Amer. Geophys. Union*, 70, 1183, Gaddis, L.R. and R. Greeley.
304. 1989, Evidence for volcanism in NW Ishtar Terra, Venus, in *Abstracts for the Venus Geoscience Tutorial and Venus Geologic Mapping Workshop, LPI C-708*, Lunar and Planetary Institute, Houston, 15-16, Gaddis, L. and R. Greeley.
305. 1989, Volcanic geology of Tyrrhena Patera: Morphologic similarities to terrestrial ash shields, *Lunar Planet. Sci.*, XX, 357-358, Greeley, R. and D.A. Crown.

306. 1989, Preliminary estimates of sediment volume in the north polar sand seas of Mars, *Repts. Planetary Geology Geophysics Program, NASA TM-4130*, 358-360, Lancaster, N. and R. Greeley.
307. 1989, Preliminary estimates of sediment volume in the north polar sand seas of Mars, *Lunar Planet. Sci., XX*, 556-557, Lancaster, N. and R. Greeley.
308. 1989, The role of fluid density in the development of small-scale bedforms, *EOS, Trans. Amer. Geophys. Union*, 70, 1110, Marshall, J.R. and R. Greeley.
309. 1989, Ridge and trough terrain in Elsinore Corona, Miranda, *Repts. Planetary Geology Geophysics Program, NASA TM-4130*, 66-68, Pappalardo, R. and R. Greeley.
310. 1989, Diapiric walls as a model for ridge and trough terrain on icy satellites, *Lunar Planet. Sci., XX*, 820-821, Pappalardo, R. and R. Greeley.
311. 1989, Eruptive conditions and volcano morphology, *Repts. Planetary Geology Geophysics Program, NASA TM-4130*, 393-395, Posin, S.B. and R. Greeley.
312. 1989, Effect of eruptive conditions on volcano morphology, *Lunar Planet. Sci., XX*, 862-863, Posin, S.B. and R. Greeley.
313. 1989, Martian dust threshold measurements--simulations under heated surface conditions, in *MECA Workshop on Dust on Mars III*, Lee, S., ed., LPI Tech. Rpt. 89-01, Lunar and Planetary Institute, Houston, 60-61, White, B.R. and R. Greeley.
314. 1989, Stress distribution on Tellus Regio, Venus, inferred from gravity and topography, *Lunar Planet. Sci., XX*, 1205-1206, Williams, D.R. and R. Greeley.
315. 1989, Stress distribution and topography of Tellus Regio, Venus, in *Abstracts for the Venus Geoscience Tutorial and Venus Geologic Mapping Workshop, LPI C-708*, Lunar and Planetary Institute, Houston, 52-53, Williams, D.R. and R. Greeley.
316. 1989, Determination of regional surficial geology for aeolian terrains utilizing a linear mixing algorithm for remote sensing data, *Repts. Planetary Geology Geophysics Program, NASA TM-4130*, 255-257, Blount, G., R. Greeley, P.R. Christensen, N. Lancaster, J.B. Adams, and M.O. Smith.
317. 1989, Evidence for an ancient impact basin in Daedalia Planum, Mars, *Lunar Planet. Sci., XX*, 195-196, Craddock, R.A., R. Greeley, and P.R. Christensen.
318. 1989, Analysis of an ignimbrite plateau in the central Andes using Landsat thematic mapper data: Implications for the identification of ash deposits on Mars, *Lunar Planet. Sci., XX*, 206-207, Crown, D.A., R. Greeley, M.F. Sheridan, and R. Carrasco.
319. 1989, Interactions between bed topography and the atmospheric boundary layer: Preliminary results and implications for sediment transport, *EOS, Trans. Amer. Geophys. Union*, 70, 1109, Greeley, R., N. Lancaster, L. Gaddis, K.R. Rasmussen, B. White, and J.D. Iversen.
320. 1989, Martian aeolian features: Comparison with results from the Global Circulation Model, *Lunar Planet. Sci., XX*, 359-360, Greeley, R., A. Skyeck, and J.B. Pollack.

321. 1989, Comparison of martian aeolian features and results from the global circulation model, *Intern. Conf. on Mars 4th*, Tucson, AZ, 119-120, Greeley, R., A. Skyepeck, and J.B. Pollack.
322. 1989, Comparison of martian aeolian features and results from the Global Circulation Model, *Repts. Planetary Geology Geophysics Program, NASA TM-4130*, 361-362, Greeley, R., A. Skyepeck, and J.B. Pollack.
323. 1989, Comparison of martian aeolian features and results from the Global Circulation Model, in *MECA Workshop on Dust on Mars III*, Lee, S., ed., LPI Tech. Rpt. 89-01, Lunar and Planetary Institute, Houston, 30-32, Greeley, R., A. Skyepeck, and J.B. Pollack.
324. 1989, Cold welding of aeolian materials in the venusian environment: Experimental and theoretical considerations, *Lunar Planet. Sci.*, XX, 616-617, Marshall, J.R., G. Fogleman, and R. Greeley.
325. 1989, Martian stratigraphy and geologic history, *Intern. Conf. on Mars 4th*, Tucson, AZ, 54-55, Tanaka, K.L., D.H. Scott, and R. Greeley.
326. 1989, Formation of antipodal terrains on icy satellites, *Lunar Planet. Sci.*, XX, 1183-1184, Watts, A., R. Greeley, and H.J. Melosh.
327. 1989, Formation of antipodal terrains on icy satellites, *Repts. Planetary Geology Geophysics Program, NASA TM-4130*, 63-65, Watts, A., R. Greeley, and H.J. Melosh.
328. 1990, Styles of volcanism, tectonic associations, and evidence for magma-water interactions in eastern Hellas, Mars, *Lunar Planet. Sci.*, XXI, 250-251, Crown, D.A. and R. Greeley.
329. 1990, Hadriaca Patera: Evidence for pyroclastic volcanism in the Hellas region of Mars, in *MEVTV Workshop on the Evolution of Magma Bodies on Mars*, LPI Tech. Rept. 90-04, 25-26, Crown, D.A., and R. Greeley.
330. 1990, Volcanic geology of the martian highland paterae, *Reports Planetary Geology Geophysics Program, NASA TM-4210*, 391-393, Crown, D.A. and R. Greeley.
331. 1990, Aircraft radar analyses of flow textures and aeolian mantling deposits, Pisgah, CA, *Lunar Planet. Sci.*, XXI, 397-398, Gaddis, L.R. and R. Greeley.
332. 1990, Analyses of aircraft radar data of flow textures and aeolian deposits at Pisgah, CA, *Reports Planetary Geology Geophysics Program, NASA TM-4210*, 291-293, Gaddis, L.R. and R. Greeley.
333. 1990, Volcanism in NW Ishtar Terra, Venus, *Repts. Planetary Geology Geophysics Program, NASA TM-4210*, 37-38, Gaddis, L.R. and R. Greeley.
334. 1990, The potential for aeolian structures on Venus: a synopsis of evidence from experimental investigations with the Venus Wind Tunnel, *Reports Planetary Geology Geophysics Program, NASA TM-4210*, 44-45, Marshall, J.R. and R. Greeley.
335. 1990, The potential scale of aeolian structures on Venus, *Trans., Amer. Geophys. Union*, 43, 1424, Marshall, J.R. and R. Greeley.
336. 1990, Models for ridge and trough terrain on icy satellties and the origin of ridges in Elsinore Corona, Miranda, *Repts. Planetary Geology Geophysics Program, NASA TM-4210*, 74-76, Pappalardo, R. and R. Greeley.

337. 1990, Recent volcanism on Mars, *Intern. Volcanol. Congress (IAVCEI)*, Mainz, Germany (in press), Plescia, J.B. and R. Greeley.
338. 1990, Sinuous ridges of the south polar region, Mars: Possible origins, *Lunar Planet. Sci.*, XXI, 1047-1048, Ruff, S.W. and R. Greeley.
339. 1990, Global relationships between volcanic vents and fractures radial to large impact basins on Mars, *Lunar Planet. Sci.*, XXI, 1091-1092, Schneid, B.D. and R. Greeley.
340. 1990, Global associations of volcanic vents to fractures radial to large impact basins on Mars, *Reports Planetary Geology Geophysics Program, NASA TM-4210*, 444-445, Schneid, B.D. and R. Greeley.
341. 1990, The formation of antipodal-impact terrains on Mars, *Abstracts, Geol. Soc. Amer.*, 22, A218, Williams, D.A. and R. Greeley.
342. 1990, A tectonic model for Tellus Regio, Venus, based on stress analysis and comparison with Venera 15/16 radar images, *Lunar Planet. Sci.*, XXI, 1337-1338, Williams, D.R. and R. Greeley.
343. 1990, Stress analysis of Tellus Regio, Venus, based on Pioneer Venus altimetry and gravity data and comparison with Venera 15/16 radar images, *Repts. Planetary Geology Geophysics Program, NASA TM-4210*, 23-25, Williams, D.R. and R. Greeley.
344. 1990, Morphologic and spectral characteristics of ignimbrites, *Reports Planetary Geology Geophysics Program, NASA TM-4210*, 408-410, Crown, D.A., R. Greeley, M.F. Sheridan, and R. Carrasco.
345. 1990, Evolution of the east rim of the Hellas Basin, Mars, *Lunar Planet. Sci.*, XXI, 252-253, Crown, D.A., K.H. Price, and R. Greeley.
346. 1990, Remote sensing observations of Kelso Dunes, California, *Abstracts, Geol. Soc. Amer.*, 22, A218, Greeley, R., N. Lancaster, L. Gaddis, and E.C.I. Paisley.
347. 1990, Effects of roughness elements on saltation, *Repts. Planetary Geology Geophysics Program, NASA TM-4210*, 375-376, Iversen, J.D., R. Greeley, W.P. Wang, and R. Leach.
348. 1990, Discrimination of active and inactive sand from remote sensing: The Kelso dunes, Mojave Desert, California, *Reports Planetary Geology Geophysics Program, NASA TM-4210*, 367-368, Paisley, E.C.I., L.R. Gaddis, and R. Greeley.
349. 1990, Martian dust threshold measurements - simulations under heated surface conditions, *Repts. Planetary Geology Geophysics Program, NASA TM-4210*, 369-371, White, B.R., R. Greeley, and R.N. Leach.
350. 1991, Lava tubes in the Solar System, *Intern. Symp. on Vulcano. 6th*, 223-230, Greeley, R.
351. 1991, Changes in the planetary boundary layer over an alluvial fan cross section related to surface roughness, *Geol. Soc. Amer.*, 23, A205, Blumberg, D.G., and R. Greeley.
352. 1991, Magma generation on Mars: Estimated volumes through time, *Lunar Planet. Sci.*, XXII, 489-490, Greeley, R. and B. Schneid.
353. 1991, Magma generation on Mars: amounts, rates, and comparisons with Earth, Moon, and Venus, *IGC*, 29 (in Press), Greeley, R., and B.D. Schneid.

354. 1991, Formational constraints on thermally eroded lava channels, *Geol. Soc. Amer.*, 23, A276-277, Gregg, T.K.P., and R. Greeley.
355. 1991, The strength of Miranda's Lithosphere, *Lunar Planet. Sci.*, XXII, 1021-1022, Pappalardo, R., and R. Greeley.
356. 1991, Tectonic deformation on icy satellites: a model of compensating horsts, *Lunar Planet. Sci.*, XXII, 1023-1024, Pappalardo, R. and R. Greeley.
357. 1991, The formation of antipodal-impact terrains on Mars, *Lunar Planet. Sci.*, XXII, 1505-1506, Williams, D.A., and R. Greeley.
358. 1991, Comparison of drift potential derived from Mars GCM with rock abundance from IRTM., *Lunar Planet. Sci.*, (in press), Xu, P., and R. Greeley.
359. 1991, Surface modification of Venus as inferred from Magellan observations of crater deposits, plains, and tesserae, *Trans., Amer. Geophys. Union*, 72, 290, Arvidson, R.E., M. Izenberg, J.J. Plaut, E. Stofan, R.S. Saunders, R. Greeley, and M. Malin.
360. 1991, Mojave remote sensing field experiment, *Trans. Amer. Geophys. Union*, 72, 175-176, Arvidson, R.E., S.B. Petroy, J.J. Plaut, M. Shepard, D. Evans, T. Farr, R. Greeley, N. Lancaster, and L. Gaddis.
361. 1991, Volatile history of Mangala Valles, Mars, *Lunar Planet. Sci.*, XXII, 249-250, Craddock, R.A., J.R. Zimbelman, R. Greeley, and R.O. Kuzmin.
362. 1991, Physical properties of lava flows on the southwest flank of Tyrrhena Patera, Mars, *Lunar Planet. Sci.*, XXII, 261-262, Crown, D.A., T.K. Porter, and R. Greeley.
363. 1991, Recent observations of Lunar Pyroclastic deposits with Galileo SSI multispectral data, *Geol. Soc. Amer.*, 23, A368., Gaddis, L., J. Sunshine, A. McEwen, C. Pieters, J. Head, M. Belton, and R. Greeley.
364. 1991, Images of the Venus Cloud Deck from Galileo, *Bull. Amer. Astro. Soc.*, 23, 1203-1204, Gierasch, P.J., M.J.S. Belton, M. Smith, P. Helfenstein, P.J. Schinder, J. Veverka, K.P. Klaasen, J.B. Pollack, K.A. Rages, D. Morrison, A.P. Ingersoll, C.D. Anger, M.H. Carr, C.R. Chapman, M.E. Davies, F.P. Fanale, R. Greeley, R. Greenberg, J.W. Head III, G. Neukum, and C.B. Pilcher.
365. 1991, Lunar maria and related deposits: Preliminary Galileo imaging results, *Lunar Planet. Sci.*, XXII, 491-492, Greeley, R., M. Belton, L. Bolef, M. Carr, C. Chapman, M. Davies, L. Doose, F. Fanale, L. Gaddis, R. Greenberg, J. Head, H. Hoffman, R. Jauman, T. Johnson, K. Klaasen, R. Koloord, A. McEwen, S. Murchie, G. Neukum, J. Oberst, C. Pieters, C. Pilcher, J. Plutchak, M. Robinson, R. Sullivan, J. Sunshine, and J. Veverka.
366. 1991, Preliminary Galileo imaging results of lunar maria, *Europ. Geophys. Soc., XVI General Assembly, Wiesbaden, West Germany*, 9, C414-C415, Greeley, R., M. Belton, J.W. Head, C.M. Pieters, A. McEwen, and G. Neukum.
367. 1991, Galileo SSI results: Lunar maria, *Trans. Amer. Geophys. Union*, 72, 182, Greeley, R., M. Belton, J.W. Head, C.M. Pieters, J. Sunshine, S. Murchie, A. McEwen, and G. Neukum.

368. 1991, Galileo SSI observation of lunar maria, *Bull. Amer. Astro. Soc.*, 23, 1203, Greeley, R., S.D. Kadel, D.A. Williams, M.J.S. Belton, J.W. Head, S.L. Murchie, C.M. Pieters, J.M. Sunshine, L.R. Gaddis, A.S. McEwen, G. Neukum, and the Galileo Imaging Team.
369. 1991, Aeolian features on Venus: Magellan observations, *Geol. Soc. Amer.*, 23, A401, Greeley, R., M.A. Geringer, R.E. Arvidson, C. Elachi, J.J. Plaut, R.S. Saunders, E.R. Stofan, S.P. Wall, C.M. Weitz, and G.S. Schubert.
370. 1991, Wind streaks on Venus: Magellan results, *Bull. Amer. Astro. Soc.*, 23, 1221, Greeley, R., M.A. Geringer, R.E. Arvidson, C. Elachi, J.J. Plaut, R.S. Saunders, E.R. Stofan, E.J.P. Thouvenot, S.D. Wall, C. M. Weitz, and G. Schubert.
371. 1991, Galileo observations of lunar maria, *Geol. Soc. Amer.*, 23, A368, Greeley, R., S. Kadel, D.A. Williams, M.J.S. Belton, L. Gaddis, A. McEwen, J.W. Head, S. Murchie, C. Pieters, J. Sunshine, G. Neukum, J.H. Carr, and C.R. Chapman.
372. 1991, Galileo SSI observation of lunar maria, *Bull. Amer. Astro. Soc.*, 23, 1203, Greeley, R., S.D. Kadel, D.A. Williams, M.J.S. Belton, J.W. Head, S.L. Murchie, C.M. Pieters, J.M. Sunshine, L.R. Gaddis, A.S. McEwen, G. Neukum, and the Galileo Imaging Team.
373. 1991, Use of radar to assess Aeolian processes, *Trans. Amer. Geophys. Union*, 72, 177, Greeley, R., N. Lancaster, L. Gaddis, D. Blumberg, A. Dobrovolskis, R.S. Saunders, S. Wall, J. Iversen, B. White, and K. Rasmussen.
374. 1991, Orientale and South Pole-Aitken Basins: Galileo imaging results, *Trans., Amer. Geophys. Union*, 72, 182, Head, J.W., M. Belton, M. Carr, C. Chapman, M. Davies, F. Fanale, M. Robinson, C. Pieters, S. Murchie, J. Sunshine, E. Fischer, J. Plutchak, R. Greeley, R. Sullivan, C. Pilcher, R. Greenberg, J. Veverka, P. Helfenstein, G. Neukum, H. Hoffmann, R. Jaumann, K. Klaasen, T. Johnson, A. McEwen, and T. Becker.
375. 1991, Galileo Solid State Imaging experiment results for the Moon, *Trans. Amer. Geophys. Union*, 72, 61. Head, J.W., M. Belton, M. Carr, C. Chapman, M. Davies, F. Fanale, C. Pieters, R. Greeley, C. Pilcher, R. Greenberg, J. Veverka, G. Neukum, K. Klaasen, and A. McEwen.
376. 1991, Orientale and South Pole-Aitken Basins: Galileo imaging results, *Geol. Soc. Amer.*, 23, A368, Head, J.W., M. Belton, C. Chapman, M. Davies, F. Fanale, C. Pieters, S. Murchie, J. Mustard, J. Sunshine, E. Fischer, J. Plutchak, R. Greeley, C. Pilcher, P. Helfenstein, G. Neukum, H. Hoffman, R. Jaumann, K. Klaasen, T. Johnson, and A. McEwen.
377. 1991, Orientale and South Pole-Aitken Basins: Galileo Solid-State Imaging system results, *Bull. Amer. Astro. Soc.*, 23, 1203, Head, J., C. Pieters, S. Murchie, J. Mustard, E. Fischer, J. Plutchak, R. Greeley, C. Pilcher, G. Neukum, H. Hoffmann, A. McEwen, and the Galileo SSI Team, M. Belton, Team Leader.
378. 1991, Orientale and South Pole-Aitken Impact Basins: New results from Galileo Solid-State Imaging System Data, *Trans. Amer. Geophys. Union*, 72, 279, Head, J., C. Pieters, S. Murchie, J. Mustard, E. Fischer, J. Plutchak, R. Greeley, C. Pilcher, G. Neukum, H. Hoffmann, A. McEwen, and the Galileo SSI Team, M. Belton, Team Leader.

379. 1991, Experiments in explosive volcanism, *Lunar Planet. Sci.*, XXII, 655-656, Jones, A.M., J.R. Holloway, and R. Greeley.
380. 1991, Lunar multispectral mosaics from Galileo imaging, *Lunar Planet. Sci.*, XXII, 871-872, McEwen, A., T. Becker, M. Belton, M. Carr, C. Chapman, M. Davies, F. Fanale, M. Robinson, S. Postawko, R. Greeley, R. Sullivan, J. Moersch, L. Gaddis, L. Bolef, R. Greenberg, J. Head, C. Pieters, E. Fischer, S. Murchie, J. Sunshine, J. Plutchak, T. Johnson, K. Klaasen, H. Breneman, G. Neukum, H. Hoffmann, R. Jaumann, C. Pilcher, J. Veverka, and P. Helfenstein.
381. 1991, Lunar multispectral mosaics from Galileo Solid-State Imaging, application to Post-Imbrian Craters, *Geol. Soc. Amer.*, 23, A368-369, McEwen, A.S., T.L. Becker, L.R. Gaddis, C.M. Pieters, J.W. Head, G. Neukum, P. Helfenstein, J. Veverka, M.J.S. Belton, and R. Greeley.
382. 1991, Compositional heterogeneity and crustal stratigraphy of the Moon derived from Galileo SSI multi-spectral images, *Trans., Amer. Geophys. Union*, 72, 182-183, Pieters, C.M., M. Belton, T. Backer, M. Davies, F. Fanale, E. Fischer, L. Gaddis, R. Greeley, J.W. Head, P. Helfenstein, H. Hoffmann, R. Jaumann, T.V. Johnson, K. Klassen, A. McEwen, S. Murchie, G. Neukum, J. Oberst, J. Plutchak, M. Robinson, R. Sullivan, and J. Sunshine.
383. 1991, Compositional diversity of the Lunar Limb and Farside from Galileo SSI images, *Bull. Amer. Astro. Soc.*, 23, 1203, Pieters, C., J. Head, J. Sunshine, E. Fischer, S. Murchie, S. Pratt, A. McEwen, R. Greeley, G. Neukum, H. Hoffmann, and the Galileo SSI Team, M. Belton, Team Leader.
384. 1991, Timing and formation of wrinkle ridges in the Tyrrhena Patera region of Mars, *Lunar Planet. Sci.*, XXII, 1085-1086, Porter, T.K., D.A. Crown, and R. Greeley.
385. 1991, Magellan: Summary of early science results, *Trans., Amer. Geophys. Union*, 72, 171, Saunders, S., C. Elachi, E. Stofan, E. DeJong, K. Beratan, T. Parker, S. Wall, K. Weitz, G. Pettengill, S. Solomon, P. Ford, M. Simons, S. Smrekar, R.E. Arvidson, J. Plaut, V. Baker, V. Gulick, G. Komatsu, A. Basilevsky, J. Boyce, D. Campbell, S. Squyres, N. Stacy, R. Greeley, M. Ravine, R. Sullivan, J. Guest, Mark Bulmer, M. Lancaster, C. Wiles, J.W. Head, A. DeCharon, P. Fisher, K. Roberts, D. Senske, G. McGill, H. Moore, B. Parsons, R. Phillips, R. Grimm, G.G. Schaber, L. Soderblom, R. Batson, R. Kirk, V. Sharpton, W. Kaula, G. Schubert, D. Bindschadler, J. Wood, B. Klose, and J. Cushing.
386. 1991, Galileo SSI multi-spectral images: Implications for the mare deposits in Western Oceanus Procellarum, *Trans. Amer. Geophys. Union*, 72, 279, Sunshine, J.M., C.M. Pieters, J.W. Head, A.S. McEwen, R. Greeley, and the Galileo Imaging Team, M. Belton, Team Leader.
387. 1991, A preliminary investigation of Aeolian features of Venus using Magellan data, *Lunar Planet. Sci.*, XXII, 1487-1488, Weitz, C., R. Arvidson, R. Greeley, R.S. Saunders, C. Elachi, T. Farr, T. Parker, J. Plaut, E. Stofan, and S. Wall.
388. 1991, Wind streaks on Venus: Magellan observations, *IGC, 29th Japan* (in press), Greeley, R., M.A. Geringer, R. Arvidson, C. Elachi, J. Plaut, R.S. Saunders, R. Stofan, E.J.P. Thouvenot, S.D. Wall, C. M. Weitz, and G. Schubert.

389. 1992, Aeolian processes on Mars and Venus, *Inter. Symp. Evolution of Deserts*, 67, Greeley, R.
390. 1992, Influence of surface roughness on windblown sand: Earth, Mars, and Venus, *Lunar Planet. Sci.*, XXIII, 125-126, Blumberg, D.G. and R. Greeley.
391. 1992, Estimating aerodynamic roughness length from wind data and remote sensing, *Inter. Symp. Evolution of Deserts*, 22-23, Blumberg, D.G. and R. Greeley.
392. 1992, Detecting surface roughness affects on the atmospheric boundary layer via AIRSAR data; a field experiment in Death Valley, California, *Summaries of the 3rd Annual JPL Airborne Geoscience Workshop, 3, AIRSAR Workshop, JPL Publ. 92-14*, 43-45, Blumberg, D.G. and R. Greeley.
393. 1992, Using airborne synthetic aperture radar to assess potential Aeolian processes; A field experiment in southwest USA, *Inter. Geograph. Congress 27th*, 57-58, Blumberg, D.G. and R. Greeley.
394. 1992, Formational constraints on Venusian "Canali," *Lunar Planet. Sci.*, XXIII, 449-450, Gregg, T.K.P. and R. Greeley.
395. 1992, Mare Basalts in the Orientale Basin: Galileo multi-spectral observations, *Lunar Planet. Sci.*, XXIII, 647-648, Kadel, S.D. and R. Greeley.
396. 1992, Volcanic vents on Mars: Systematic search and classification, *Lunar Planet. Sci.*, XXIII, 1225-1226, Schneid, B. and R. Greeley.
397. 1992, Investigation of venusian pyroclastic volcanism, *Lunar Planet. Sci.*, XXIII, 1515-1516, Wenrich, M.L. and R. Greeley.
398. 1992, Lunar farside mare deposits: Latest Galileo imaging results, *Lunar Planet. Sci.*, XXIII, 1529-1530, Williams, D.A., and R. Greeley.
399. 1992, Surface modification of Venus as inferred from Magellan observations of plains and tesserae, *Lunar Planet. Sci.*, XXIII, 39, Arvidson, R.E., R. Greeley, M. Malin, R.S. Saunders, N. Izenberg, J.J. Plaut, and E. Stofan.
400. 1992, Surface modification of Venus as inferred from Magellan observations of plains and tesserae, *Trans. Amer. Geophys. Union*, 73, 290, Arvidson, R.E., R. Greeley, M.C. Malin, R.S. Saunders, N.R. Izenberg, J. Plaut, and E. Stofan.
401. 1992, The Galileo SSI experiment at Gaspra: Overview and expectations, *Lunar Planet. Sci.*, XXIII, 83, Belton, M.J.S., J. Veverka, P.C. Thomas, C.R. Chapman, K.P. Klaasen, G. Neukum, A.S. McEwen, J.W. Head, M. Davies, R. Greeley, R. Greenberg, C.B. Pilcher, D. Morrison, A.P. Ingersoll, F. Fanale, and T.V. Johnson.
402. 1992, Estimating the aerodynamic roughness from wind profiles and radar backscatter, *Association of American Geographers*, 88th Annual Meeting, 21, Blumberg, D.G., R. Greeley, and N. Lancaster.
403. 1992, Comparison of GCM wind field to aeolian surface features; Earth and Mars, *Yale Mintz Memorial Symp. on Climate and Climate Change*, Jerusalem, 97-98, Blumberg, D.G., P. Xu, and R. Greeley.

404. 1992, Observations of lunar pyroclastic deposits with Galileo SSI multispectral data, *Lunar Planet. Sci.*, XXII, 391-392, Gaddis, L., A. McEwen, C.M. Pieters, J. Sunshine, and R. Greeley.
405. 1992, Wind-related features on Venus observed via Magellan, *Lunar Planet. Sci.*, XXIII, 447-448, Greeley, R., M.A. Geringer, R.E. Arvidson, C. Elachi, J.J. Plaut, R.S. Saunders, E.R. Stofan, S.D. Wall, C.M. Weitz, G. Schubert, and E.J.P. Thouvenot.
406. 1992, Sites for Exobiology Studies on Mars, *COSPAR, World Space Congress, 29th Planet.*, Washington DC, 581, Klein, H.P., R. Landheim, and R. Greeley.
407. 1992, Radar-visible wind streaks on Venus compared with terrestrial analogs, *Lunar Planet. Sci.*, XXIII, 755-756, Landheim, R., M.A. Geringer, and R. Greeley.
408. 1992, Influence of electrostatic charges on the movement of dust by wind, *Lunar Planet. Sci.*, XXIII, 765-766, Leach, R.N., S.J. Schrodi, and R. Greeley.
409. 1992, Long wind streaks on Venus, *Trans. Amer. Geophys. Union*, 73, 332, Limonadi, D., G. Schubert, and R. Greeley.
410. 1992, Oceanus Procellarum as viewed by Galileo: Evidence for compositional diversity in the mare deposits and at the Marius Hills Plateau, *Lunar Planet. Sci.*, XXIII, 1387-1388, Sunshine, J.M., C.M. Pieters, and J.W. Head, A.S. McEwen, and R. Greeley.
411. 1992, Two possible dune fields on Venus, *Lunar Planet. Sci.*, XXIII, 1511-1512, Weitz, C., C. Elachi, R. Blom, and R. Greeley.
412. 1993, Volcanism in the southern cratered highlands of Mars, *EOS, Amer. Geophys. Union*, 74, Spring Meeting, 197-198, Greeley, R.
413. 1993, Formation of Venusian Canali: Considerations of Lava Types and their Thermal Behaviors, *J. Geophys. Res.*, 98, 10,873-10,882, Gregg, T.K.P., and R. Greeley.
414. 1993, Structural evidence for reorientation of Miranda about a paleo-pole, *Lunar Planet. Conf.*, XXIV, 1111-1112, Pappalardo, R. and R. Greeley.
415. 1993, Multispectral studies of selected crater- and basin-filling lunar maria from Galileo Earth-Moon encounter1, *Lunar Planet. Conf.*, XXIV, 1521-1522, Williams, D.A. and R. Greeley.
416. 1993, Convex set and linear mixing model, *Lunar Planet. Conf. XXIV*, 1545-1546, Xu, P. and R. Greeley.
417. 1993, Lunar scout missions: Galileo encounter results and application to scientific problems and exploration requirements, *Lunar Planet. Conf.*, XXIV, 625-626, Head, J.W., M. Belton, R. Greeley, C. Pieters, A. McEwen, G. Neukum, and T. McCord.
418. 1993, Sand transport on Mars: Preliminary results from models, *Lunar Planet. Conf.*, XXIV, 563-564, Greeley, R., F.S. Anderson, D.G. Blumberg, E. Lo, and P. Xu.
419. 1993, Galileo imaging results from the second Earth-Moon flyby: Lunar maria and related units, *Lunar Planet. Conf.*, XXIV, 565-566, Greeley, R. M.J.S. Belton, J.W. Head, A.S. McEwen, C.M. Pieters, G. Neukum, T.L. Becker, E.M. Fischer, S.D. Kadel, M.S. Robinson, R.J. Sullivan, J.M. Sunshine, and D.A. Williams.

420. 1993, Wind streaks on Venus: Preliminary global assessment, *EOS, Amer. Geophys. Union*, 74, 190, Greeley, R., K. Bender, M. Geringer, C. Weitz, S. Saunders, E. Stofan, S. Wall, G. Schubert, and D. Limonadi.
421. 1993, The north polar region of the Moon: Views from the Galileo spacecraft, *EOS, Amer. Geophys. Union*, 74, 196, Greeley, R., S. Kadel, R. Sullivan, D. Williams, J. Head, C. Pieters, J. Sunshine, A. McEwen, and the Galileo Imaging Team.
422. 1993, Mars analog site study (MASS), *Lunar Planet. Conf., XXIV*, 567-568, Greeley, R., R. Kuzmin, F. Costard, F.S. Anderson, M.A. Geringer, R. Landheim, and M.L. Wenrich.
423. 1993, Impact basin deposits in the lunar nearside northern high latitudes: Galileo Earth-Moon 2 encounter results, *EOS, Amer. Geophys. Union*, 74, 196, Head, J.W., C. Pieters, E. Fischer, J. Sunshine, I. Antonenko, J. Mustard, R. Greeley, N. Bridges, G. Neukum, and the Galileo Imaging Team.
424. 1993, The history of mare volcanism in the Orientale basin: Mare deposit ages, compositions and morphologies, *Lunar Planet. Conf., XXIV*, 745-746, Kadel, S.D., R. Greeley, G. Neukum and R. Wagner.
425. 1993, Mars exobiology landing sites for future exploration, *Lunar Planet. Conf., XXIV*, 845-846, Landheim, R., R. Greeley, D. Des Marais, J.D. Farmer, and H. Klein.
426. 1993, Compositional diversity of the northern lunar highlands: The perspective from Galileo SSI imaging, *EOS, Amer. Geophys. Union*, 74, 196, Pieters, C., J. Head, E. Fischer, J. Sunshine, R. Greeley, A. McEwen, G. Neukum, and the Galileo Imaging Team, M. Belton, team leader.
427. 1993, Martian aeolian features and deposits: comparisons with general circulation model results, *J. Geophys. Res.*, 98, 3183-3196. Greeley R., A. Skyeck, and J.B. Pollack.
428. 1993, AIRSAR views of aeolian terrain, *Summaries of the 4th Ann. JPL Airborne Geosci. Workshop, JPL Publication 93-26*, 3, 9-12, Blumberg, D. and R. Greeley.
429. 1993, Wind streaks and atmospheric circulation on Venus, *Bull. Am. Astron. Soc.*, 25, 1095-1096, Schubert, G., D. Limonadi, W.I. Newman, R. Greeley, and K. Bender.
430. 1993, Shattering an image: the (endogenic) geological history of Miranda, *Bull. Am. Astron. Soc.*, 25, 1112-1113, Pappalardo, R., and R. Greeley.
431. 1993, Asymmetric extensional tilt blocks in Arden Corona, Miranda: Evidence for a diapiric origin of coronae, *Amer. Geophys. Union*, 74, 392, Pappalardo, R., S.J. Reynolds, and R. Greeley.
432. 1993, High resolution spatial and temporal observations of Io: The next generation of missions, *Io: Intl. Conf.*, 102-103, Smythe, W.D., R. Lopes-Gautier, A.C. Ocampo, R.M. Nelson, T.N. Gautier, F. Fanale, R. Greeley, L. Lellouch, S. Silverman, E. Russell, J. Spencer, and L. Soderblom.
433. 1993, Lunar impact basins: New data for the nearside northern high latitudes and eastern limb from the second Galileo flyby, *Lunar Planet. Conf., XXIV*, 623-624, Head, J.W., M. Belton, R. Greeley, C. Pieters, E. Fischer, J. Sunshine, K. Klaasen, A. McEwen, T. Becker,

- G. Neukum, J. Oberst, C. Pilcher, J. Plutchak, M. Robinson, T. Johnson, D. Williams, S. Kadel, R. Sullivan, I. Antonenko, N. Bridges, and the Galileo Imaging Team.
434. 1993, Exobiology sites on Mars for future exploration, *Planetology and Origins of Life Conf., Case for Mars V proc.*, France, Landheim, R., R. Greeley, J.D. Farmer, D.J. Des Marais, and H.P. Klein.
435. 1994, A GCM simulation of aeolian transport, in *Response of Eolian Processes to Global Change, Desert Research Institute, Univ. Nevada, Reno, Occasional Paper 2*, 13, Blumberg, D.G. and R. Greeley.
436. 1994, Field measurements of active windblown sand, in *Response of Eolian Processes to Global Change, Desert Research Institute, Univ. Nevada, Reno, Occasional Paper 2*, 47-48, Greeley, R., D.G. Blumberg, and S.H. Williams.
437. 1994, The Pismo Beach experiment: Grain size characteristics and patterns, in *Response of Eolian Processes to Global Change, Desert Research Institute, Univ. Nevada, Reno, Occasional Paper 2*, ?? Hartmann, D., D.G. Blumberg, and R. Greeley.
438. 1994, Gusev Crater-Ma'adim Vallis: a target in the search for extinct life on Mars, *Gordon Research Conference on the Origin of Life*, Salve Regina University, Newport RI, Landheim, R., R. Greeley, J.D. Farmer, and N.A. Cabrol.
439. 1994, Gusev Crater: a high priority exobiology site, *Fifth Exobiology Symposium and Mars Workshop*, NASA Ames Research Center, Mountain View, CA, April 25-29, Landheim, R., N.A. Cabrol, R. Greeley, and J.D. Farmer.
440. 1994, Geologic map of Callisto, *Lunar Planet. Conf. XXV*, 91-92, Bender, K.C., R. Greeley, J.W. Rice, and D.E. Wilhelms.
441. 1994, The Carson Quadrangle, Venus, *Lunar Planet. Conf.*, 25, 463-464, Greeley, R., K.C. Bender, D. Senske, and J. Guest.
442. 1994, Radar characteristics of geologic units in the Carson Quadrangle, Venus, *Lunar Planet. Conf.*, 25, 1243-1244, Senske, D., Greeley, R., and K. Bender.
443. 1994, Erosion by lava flowing through tubes: Implications from the cave basalt lava tube system, Mount St. Helens, Washington, *Geol. Soc. Amer.*, 26, A116-117, Kadel, S.D. and R. Greeley.
444. 1994, Spaceborne Radar Laboratory-1; estimates of aerodynamic roughness, *Geol. Soc. Amer.*, 26, A128, Blumberg, D.G. and R. Greeley.
445. 1994, Surface Geology of 243 Ida, *Bull. Amer. Astron. Soc.*, 26, 1155, Sullivan, R., R. Greeley, R. Pappalardo, M. Carr, R. Kirk, A. McEwen, P. Geissler, R. Greenberg, J. Granahan, J. Head, P. Lee, P. Thomas, J. Veverka, J. Moore, D. Morrison, and the Galileo Imaging Team..
446. 1994, New estimates of minimum wind speeds for raising dust on Mars, *Bull. Amer. Astron. Soc.*, 26, 1129, Greeley, R., R.N. Leach, B.M Lacchia, B.R. White, D.E. Trilling, and J.B. Pollack.
447. 1994, Amount and timing of martian volcanic gases, *Amer. Geophys. Union*, 75, 407, Craddock, R.A. and R. Greeley.

448. 1994, Fluvial processes in Ma'adim Vallis and the potential of Gusev Crater as a high priority site, *Lunar Planet. Sci.*, 25, 213-214, Cabrol, N.A., R. Landheim, R. Greeley, and J. Farmer.
449. 1994, Venus: Influence of surface roughness on the threshold for windblown sand derived from Magellan data, *Lunar Planet. Sci.*, 25, 129-130, Blumberg, D.G. and R. Greeley.
450. 1994, Wax modeling of thermal erosion in low-viscosity lava flows, *Lunar Planet. Sci.*, 25, 233-234, Challis, D., S. Williams, and R. Greeley.
451. 1994, First Galileo image of asteroid 243 Ida, *Lunar Planet. Sci.*, 25, 237-238, Chapman, C.R., M.J.S. Belton, J. Veverka, G. Neukum, J. Head, R. Greeley, K. Klaasen, D. Morrison, and the Galileo Imaging Team.
452. 1994, Do lava flows erode? Preliminary assessment, *Lunar Planet. Sci.*, 25, 465-466, Greeley, R., R.S. Harris, S.D. Kadel, D.A. Williams, and J.E. Guest.
453. 1994, Dust on Mars: New values for wind threshold, *Lunar Planet. Sci. Conf.*, 25, 467-468, Greeley, R., M. Lacchia, B. White, R. Leach, D. Trilling, and J. Pollack.
454. 1994, Morphology and geology of asteroid Ida: Preliminary Galileo imaging observations, *Lunar Planet. Sci.*, 25, 469-470, Greeley, R., R. Sullivan, R. Pappalardo, J. Head, J. Veverka, P. Thomas, P. Lee, M. Belton, and C. Chapman.
455. 1994, Stratigraphic assessment of Gusev crater as an exobiology landing site, *Lunar Planet. Sci.*, 25, 769-770, Landheim, R., N.A. Cabrol, R. Greeley, and J.D. Farmer.
456. 1994, Mapping regolith and blocks on asteroid 243 Ida: The effects of photometric viewing geometry, *Lunar Planet. Sci.*, 25, 787-788, Lee, P., J. Veverka, M.J.S. Belton, P.C. Thomas, B.T. Carcich, R. Greeley, R. Sullivan, R. Pappalardo, and the Galileo SSI Team.
457. 1994, Extensional tectonics of Arden corona, Miranda: Evidence for an upwelling origin of coronae, *Lunar Planet. Sci.*, 25, 1047-1048, Pappalardo, R., R. Greeley, and S.J. Reynolds.
458. 1994, Analytical modeling of thermal erosion by low-viscosity lava flows and implications for planetology, *Lunar Planet. Sci.*, 25, 1493-1494, Williams, D.A. and R. Greeley.
459. 1994, Windblown sand on Mars: The effect of saltation threshold on drift potentials derived from Mars GCM, *Lunar Planet. Sci.*, 25, 1521-1522, Xu, P., R. Greeley, S. Williams, and J.B. Pollack.
460. 1994, Mars landing site selection: Earth analog studies, *COSPAR*, July 11-24, Hamburg, Germany, Greeley, R., R.O. Kuzmin, and F. Costard.
461. 1994, Potential landing sites for Mars Pathfinder, *Mars Pathfinder Landing Site Workshop, LPI Tech. Rept. 94-04*, 30-31, Kuzmin, R., R. Landheim, and R. Greeley.
462. 1994, Exobiology site priorities for Mars Pathfinder, *Mars Pathfinder Landing Site Workshop, LPI Tech.Rept. 94-04*, 26-27, Farmer, J.D. and D.J. Des Marais.
463. 1994, Strategy for selecting Mars Pathfinder landing sites, *Mars Pathfinder Landing Site Workshop, LPI Tech. Rept. 94-04*, 29-30, Greeley, R. and R. Kuzmin.

464. 1995, Spaceborne radar imaging of dune fields-New results from the SIR-C/X-SAR mission, *Assn. Amer. Geographers, Chicago, IL*, 26, Blumberg, D.G., R. Greeley, N. Lancaster, C. Breed, G. Schaber, and J. McCauley.
465. 1995, Preliminary Study of Kelso Dunes Using AVIRIS, TM, and AIRSAR, *Summ. Fifth Annual JPL Airborne Geosci. Workshop, JPL Pub. 95-1*, 159-161, Xu, P., D.G. Blumberg, and R. Greeley.
466. 1995, Radar imaging of impact craters by SIR-C/X-SAR, *Lunar Planet. Sci.*, 26, 139-140, Blumberg, D.G., J.F. McHone, R. Kuzmin, and R. Greeley.
467. 1995, Estimates of the amount and timing of gases released into the martian atmosphere from volcanic eruptions, *Lunar Planet. Sci.*, 26, 287-288, Craddock, R.A. and R. Greeley.
468. 1995, New evidence for crustal separation on Europa, *Solar System Ices Intl. Symp.*, 91, Pappalardo, R., R. Sullivan, D. Rood, and R. Greeley.
469. 1995, Exopaleontology at the Pathfinder landing site, *Lunar Planet. Sci.*, 26, 393-394, Farmer, J.D., D.J. Des Marais, and R. Greeley.
470. 1995, Scale-dependent characterization of volcanic flow margins, *Lunar Planet. Sci.*, 26, 969-970, Michaels, G., R. Greeley, and E. Lo.
471. 1995, Crustal separation on Europa: New evidence and a volcano-tectonic mechanism for resurfacing, *Lunar Planet. Sci.*, 26, 1097-1098, Pappalardo, R., R. Sullivan, D. Rood, R. Greeley, and M. Coon.
472. 1995, Update on the imager for Mars Pathfinder (IMP), *Lunar Planet. Sci.*, 26, 1321-1322, Smith, P.H., D.T. Britt, L.R. Dose, R.B. Singer, M.G. Tomasko, F.Gliem, R. Greeley, R. Sullivan, H.U. Keller, J.M. Knudsen, and L.A. Soderblom.
473. 1995, Geology of 243 Ida, *Lunar Planet. Sci.*, 26, 1375-1376, Sullivan, R., R. Greeley, R. Pappalardo, M. Belton, M. Carr, C. Chapman, R. Greenberg, P. Geissler, J. Granahan, J. Head, R. Kirk, A. McEwen, P. Lee, P. Thomas, J. Veverka, D. Morrison, and J. Moore.
474. 1995, Study of aeolian processes from the Spaceborne Radar Laboratory, *Amer. Geophys. Union*, 76, 196, Blumberg, D.G. and R. Greeley.
475. 1995, SRL-1: Radar scenes of impact craters, *Amer. Geophys. Union*, 76, 197, R. Greeley, D.G. Blumberg, J.F. McHone, R. Kuzmin, B. Ivanov, J. Garvin, R. Grieve, and S.D. Wall.
476. 1995, Mars Pathfinder: Geology of the landing site ellipse, *Mars Pathfinder Landing Site Workshop II, LPI Tech. Rept. 95-01*, 20-21, Kuzmin, R.O. and R. Greeley.
477. 1995, Space shuttle radar images of terrestrial impact structures: SIR-C / X-SAR, *Meteoritical Soc. Mtg., Sept. 11-15*, 543, McHone, J.F., D.G. Blumberg, R. Greeley, and J.R. Underwood, Jr.
478. 1995, Geology of Mars-Pathfinder landing site ellipse, *Vernadsky-Brown Microsymposium*, 22, 51-52, Kuzmin, R.O. and R. Greeley
479. 1995, Radar signature of drainage networks as indicator of the Zhamanshin crater morphostructure, *Vernadsky-Brown Microsymposium*, 22, 53-54, Kuzmin, R.O., N.N. Bobina, R. Greeley, D.G. Blumberg, and J.E. McHone

480. 1995, Orbital radar images of Libyan impact structures, *Geol. Soc. Amer. Mtg.*, 27, 6, McHone, J.F., D.G. Blumberg, R. Greeley, and J.R. Underwood.
481. 1995, Africa climate changes; constraints revealed by impact craters on shuttle radar, *Amer. Geophys. Union*, 76, 337, McHone, J.F., D.G. Blumberg, and R. Greeley.
482. 1995, Geology of terrestrial planets with dynamic atmospheres, *Earth, Moon, and Planets*, 67, 13-29, Greeley, R.
483. 1995, New Observations of Bolivian Wind Streaks by JPL Airborne SAR; Preliminary Results, *Summ. Fifth Annual JPL Airborne Geosci. Workshop, JPL Pub. 95-1*, 1-4, Blumberg, D.G. and R. Greeley.
484. 1995, Impact: a fundamental solar system process, *IUGG XXI General Assembly*, Abstract #UA51D-05, Greeley, R. 1996, Planetary geology classroom activities, *Geol. Soc. Amer.*, 28, 4, Bender, K. and R. Greeley.
485. 1995, InterMarsnet: a global geophysical network on Mars for the beginning of the next galaxy, *IUGG XXI General Assembly*, Abstract #SA11B-05, Chicarro, A., C. Federico, J.M. Knudsen, P. Lognonne, R. Pellilinen, T. Spohn, F. Taylor, H. Wanke, F. Duennebier, R. Greeley, C. Leovy, D. McCleese, C. McKay, R. Phillips, S.S. Squyres.
486. 1996, Experiments of Dust Threshold and Flux Under Martian Conditions, *EOS, Amer. Geophys. Union*, 77, 431, Wilson, G.R., R. Greeley, and B.R. White.
487. 1996, Galileo's Close Approach with Callisto, *EOS, Amer. Geophys. Union*, 77, 441, Bender, K.C., R. Greeley, R. Sullivan, M.J.S. Belton, M. Carr, J.W. Head, R.T. Pappalardo, C.R. Chapman, G. Neukum, and the Galileo SSI Team.
488. 1996, Geologic Processes and Terrain Characteristics on Ganymede: An Overview of Initial Galileo Results, *EOS, Amer. Geophys. Union*, 77, 441, Head, J.W., R. Pappalardo, G. Neukum, R. Greeley, M. Carr, J. Moore, C. Chapman, D. Senske, and the Galileo Imaging Team.
489. 1996, Galileo Views of Crustal Disruption on Europa, *EOS, Amer. Geophys. Union*, 77, 446, Sullivan, R., K. Homan, K.C. Bender, R. Greeley, M.J.S. Belton, M. Carr, J.W. Head, R.T. Pappalardo, J. Moore, R. Tufts, and the Galileo SSI Team.
490. 1996, Tectonic Resurfacing and Processes of Deformation of the Grooved Terrain on Ganymede: Initial Galileo Results, *EOS, Amer. Geophys. Union*, 77, 444, Pappalardo, R., J.W. Head, G. Collins, C. Chapman, R. Greeley, P. Helfenstein, R. Kirk, G. Neukum, B.R. Tufts, and the Galileo SSI Team.
491. 1996, Galileo's First Look at Europa, *EOS, Amer. Geophys. Union*, 77, 441, Greeley, R., R. Sullivan, K.C. Bender, K. Homan, J. Klemaszewski, S. Fagents, M. Carr, J.W. Head, R.T. Pappalardo, J. Moore, A. McEwen, C. Phillips, T. Johnson, D. Senske, F. Fanale, G. Neukum, and the Galileo SSI Team.
492. 1996, Erosion by flowing lava: Field evidence and laboratory modeling, *EOS, Amer. Geophys. Union*, 77, 793, Fagents, S.A., R. Greeley, D. Challis, R.S. Harris, S.D. Kadel, and D.A. Williams.
493. 1996, Mars: Surface features and processes, *COSPAR*, 31, 358, Greeley, R.

494. 1996, Geology of Mars, *Geol. Soc. Amer.*, Abstracts with Programs, Annual Meeting, October 28-31, A-175, Greeley, R.
495. 1996, The Mars Aerial Platform (MAP) concept, *34th Aerospace Sciences Meeting & Exhibit, AIAA 96-0335*, January 15-18, Greeley, R. P.R. Christensen, J. Cantrell, B.C. Clark, R.S. Price, R.M. Zubrin, J.A. Cutts, R. Oberto, R.M. haberle, M.C. Malin.
496. 1996, Global sand transport and distribution on Mars, *Lunar Planet. Sci.*, 27, 25-26, Anderson, F.S, E. Lo, and R. Greeley.
497. 1996, Activities in planetary geology, *Lunar Planet. Sci.*, 27, 93-94, Bender, K.C., R. Greeley, and R. Pappalardo.
498. 1996, Thermal erosion by Lava: A comparison of theoretical and experimental modeling, *Lunar Planet. Sci.*, 27, 201-202, Challis, D. and R. Greeley.
499. 1996, SIR-C/X-SAR radar studies; impact and aeolian features, Borkou Region Northern Chad, *Lunar Planet. Sci.*, 27, 849-850, McHone, J.F., R. Greeley, and D. Blumberg.
500. 1996, Lava, debris, and pyroclastic flow deposits: Analysis and identification using curvature spectra, *Lunar Planet. Sci.*, 27, 877-878, Michaels, G. and R. Greeley.
501. 1996, Geologic sequence of formation and evidence for sheetwash erosion at the Ares Vallis Region, Mars, *Lunar Planet. Sci.*, 27, 945-946, Nelson, D.M. and R. Greeley.
502. 1996, Europa and Callisto: Galileo mission plans for imaging science, *Geol. Soc. Amer.*, Abstracts with Programs, Annual Meeting, October 28-31, A-70, Greeley, R., R.J. Sullivan, K.C. Bender, and the Galileo Imaging Science Team.
503. 1996, Systematic Geologic Mapping of Venus: Carson and Alpha Regio Quadrangles, *Geol. Soc. Amer.*, Abstracts with Programs, Annual Meeting, October 28-31, A-127, Bender, K.C., R. Greeley, K.S. Homan, and D. Senske.
504. 1996, Imager for Mars Pathfinder windsock experiment, *Lunar Planet. Sci.*, 27, 1289-1290, Sullivan, R., R. Greeley, G. Wilson, P. Smith, and C. Cooper.
505. 1996, Galileo SSI observation plans for Callisto and Europa, *Lunar Planet. Sci.*, 27, 455-456, Greeley, R, K. Bender, R. Sullivan, R. Pappalardo, and K. Homan.
506. 1996, Rover mobility and sampling strategy on Mars: The case for Gusev Crater, *Lunar Planet. Sci.*, 27, 189-190, Cabrol, N.A., E.A. Grin, V.C. Gulick, C.P. McKay, R. Greeley, M. Sims, and G. Briggs.
507. 1996, Martian fluvial-thermal erosion: Laboratory simulation, *Lunar Planet. Sci.*, 27, 261-262, Costard, F., J. Aguirre-Puente, R. Greeley, G. Guillemet, and N. Makhloufi.
508. 1996, Minimum aeolian particle threshold on Mars, *Lunar Planet. Sci.*, 27, 1427-1428, White, B. R. and R. Greeley.
509. 1996, First Galileo Views of Europa, *Bull. Am. Astron. Soc.*, 28, 1140, Greeley, R., K. Bender, R. Sullivan, K. Homan, J. Klemaszewski, S. Fagents, M.J.S. Belton, and Galileo Imaging Team.

510. 1996, A European Ocean? The (Circumstantial) Geological Evidence, *Europa Ocean Conf.*, Capistrano Conf. 5, November 12-14, 59-60, Pappalardo, R.T., J.W. Head, R. Greeley, and the Galileo SSI Team.
511. 1996, Geodesy of Europa from Galileo SSI Data: Shape and Deformation, *Europa Ocean Conf.*, Capistrano Conf. 5, November 12-14, 74, Thomas, P., M. Davies, R. Greeley, and the Galileo SSI Team.
512. 1996, Bright terrain on Ganymede: Galileo sheds new light on stratigraphic relationships, *Geol. Soc. Amer.*, Abstracts with Programs, Annual Meeting, October 28-31, A-71, Magee, K., J.W. Head, R. Pappalardo, G. Collins, and R. Greeley..
513. 1996, Europa: First Galileo Views, *Europa Ocean Conf.*, Capistrano Conf. 5, November 12-14, 32-33, Greeley, R., R. Sullivan, K.C. Bender, K. Homan, J. Klemaszewski, S. Fagents, M.J.S. Belton, M. Carr, J.W. Head, R.T. Pappalardo, P. Helfenstein, P. Thomas, J. Veverka, J. Moore, P. Geissler, T. Johnson, D. Senske, G. Neukum, T. Denk, and the Galileo SSI Team.
514. 1996, Bright Terrain on Ganymede: Preliminary Results from Galileo Imaging of Urik Sulcus, *Bull. Amer. Astron. Soc.*, 28, 1139, Pappalardo, R., J. Head, C. Chapman, R. Greeley, P. Helfenstein, R. Kirk, G. Neukum, G. Collins, K. Magee, and The Galileo Imaging Team.
515. 1996, The Spectral Behaviour of European Terrains from Galileo's G1 Encounter, *Europa Ocean Conf.*, Capistrano Conf. 5, November 12-14, 22-23, Clark, B., P. Geissler, P. Helfenstein, J. Veverka, M. Bell, R. Greeley, R. Sullivan, and the Galileo SSI Team.
516. 1996, The Imager for Mars Pathfinder (IMP) Experiment, *Bull. Amer. Astron. Soc.*, 28, 1062, Smith, P.H., D. Britt, M. Burkland, N. Chabot, D.G. Crowe, T. Friedman, J. Head, G. Hoppa, R.L. Marcialis, R. Reid, R. Reynolds, C. Shinohara, R. Singer, R. Tanner, M.G. Tomasko, J. Weinberg, H.U. Keller, D. Koschny, R. Kramm, N. Thomas, F. Gliem, P. Rueffer, R. Greeley, R. Sullivan, J.M. Knudsen, B.M. Madsen, S. Hviid, P. Gunnlaugsson, L. Soderblom, L. Gaddis, W. Ward, and K. Herkenhoff.
517. 1996, First Galileo images of Io, *Geol. Soc. Amer.*, Abstracts with Programs, Annual Meeting, October 28-31, A-70, McEwen, A.S., M.J.S. Belton, M.H. Carr, C.R. Chapman, M.E. Davies, F.P. Fanale, R. Greeley, R.J. Greenberg, J.W. Head, A.P. Ingersoll, W.N. Ip, T.V. Johnson, L.P. Keszthelyi, K.P. Klaasen, D. Morrison, G. Neukum, C.B. Pilcher, D.P. Simonelli, P. Thomas, and J. Veverka.
518. 1996, Galileo views of disrupted terrain on Europa, *Europa Ocean Conference (Capistrano Conference No. 5)*, San Juan Capistrano Research Institute, 71-72, Sullivan, R., K. Homan, K. Bender, R. Greeley, M.J.S. Belton, M. Carr, J.W. Head, R.T. Pappalardo, J. Moore, R. Tufts, and the Galileo SSI Team.
519. 1997, Geology of Europa as revealed from Galileo imaging data, *EOS, Amer. Geophys. Union*, 78, 203, Greeley, R., R. Sullivan, M.J.S. Belton, J.W. Head, G. Neukum, J. Veverka, and the Galileo SSI team.
520. 1997, Morphology of palimpsests on Ganymede from Galileo Observations, *EOS, Amer. Geophys. Union*, 78, 204, Jones, K.B., J.W. Head, R.T. Pappalardo, C.R. Chapman, R. Greeley, J.M. Moore, G. Neukum, and the Galileo SSI Team.

521. 1997, Deformation and properties of Europa's lithosphere, *EOS, Amer. Geophys. Union*, 78, 203, Pappalardo, R., J.W. Head, R. Greeley, R. Sullivan, R. Greenberg, B.R. Tufts, M.C. Carr, and the Galileo SSI Team.
522. 1997, New imaging results about Callisto, *EOS, Amer. Geophys. Union*, 78, 204, Chapman, C.R., W. Merline, R. Greeley, R. Sullivan, K. Bender, J. Moore, M.J.S. Belton, M. Carr, J.W. Head, R. Pappalardo, C. Pilcher, G. Neukum, T. Denk, and R. Wagner.
523. 1997, A first analysis of Callisto using Galileo NIMS and SSI measurements, *EOS, Amer. Geophys. Union*, 78, 204, McCord, T.B., J. Granahan, K. Bender, R. Greeley, G. Hansen, C. Hibbitts, M. Segura, R.W. Carlson, W. Smythe, G. Neukum, T. Denk, P. Geissler, M. Belton, and the NIMS and SSI teams.
524. 1997, Evidence for non-synchronous rotation of Europa, *EOS, Amer. Geophys. Union*, 78, 203, Geissler, P.E., M. Bell, M.J.S. Belton, J. Burns, B.E. Clark, T. Denk, R. Greeley, R. Greenberg, P. Helfenstein, A. McEwen, R. Pappalardo, R. Sullivan, R. Tufts, J. Veverka, and the Galileo Imaging Team.
525. 1997, Galileo SSI views: Evidence for tectonic and structural activity on Europa's icy surface, *EOS, Amer. Geophys. Union*, 78, 203, Sullivan, R., R. Greeley, K. Homan, J. Klemaszewski, M. Belton, M. Carr, C. Chapman, J. Head, R. Pappalardo, R. Greenberg, A. McEwen, B. Tufts, J. Moore, C. Pilcher, and the Galileo SSI Team.
526. 1997, Geology of Ganymede as revealed by Galileo imaging, *EOS, Amer. Geophys. Union*, 78, 204, Pappalardo, R., J.W. Head, L. Prockter, G. Collins, K.B. Jones, R. Greeley, C.R. Chapman, G. Neukum, T. Denk, B. Giese, U. Koehler, J. Oberst, R. Wagner, P. Helfenstein, J.M. Moore, B.R. Tufts, M.J.S. Belton, and the Galileo SSI Team.
527. 1997, A synergistic spectral view of Europa from Galileo, *EOS, Amer. Geophys. Union*, 78, 203, Granahan, J.C., F.P. Fanale, T.B. McCord, G. Hansen, P. Geissler, R. Greeley, R. Sullivan, R.W. Carlson, L.W. Kamp, F. Leader, D. Matson, A. Ocampo, W. Smythe, K. Becker, T. Becker, D. Cook, B.E. Clark, P. Helfenstein, J. Veverka, M.J.S. Belton, and the Galileo NIMS and SSI instrument teams.
528. 1997, Cratering and pits on Europa: Insights from Galileo, *Annales Geophys.*, 15, C824, Chapman, C.R., W. Merline, B. Bierhaus, J. Keller, S. Brooks, J. Head, R. Pappalardo, R. Greeley, R. Sullivan, and K. Bender.
529. 1997, A Galileo multi-instrument study of Europa's color heterogeneities, *Bull. Amer. Astron. Soc.*, 29, 982, Granahan, J.C., F.P. Fanale, T.B. McCord, G. Hansen, R. Carlson, L. Kamp, D. Matson, A. Ocampo, W. Smythe, A.R. Hendrix, C.A. Barth, F. Leader, R. Mehlman, R. Greeley, R. Sullivan, B.E. Clark, P. Helfenstein, J. Veverka, P. Geissler, M.J.S. Belton, K. Becker, T. Becker, D. Cook, and the Galileo NIMS, SSI, and UVS Teams.
530. 1997, Evidence for recent solid-state convection on Europa: The nature of pits, domes, spots, and ridges, *Bull. Amer. Astron. Soc.*, 29, 983, Head, J.W., R.T. Pappalardo, R. Greeley, R.J. Sullivan, C. Pilcher, G. Schubert, W. Moore, M. Carr, J. Moore, and M. Belton.
531. 1997, Correlations and relations between Galileo NIMS and SSI measurements for Callisto, *Bull. Amer. Astron. Soc.*, 29, 991, Hibbitts, C.A., T.B. McCord, G.B. Hansen, J.

- Klemaszewski, R. Greeley, K.C. Bender, M. Segura, R.W. Carlson, W.D. Smythe, G. Neukum, T. Denk, P. Geissler, and M.J.S. Belton.
532. 1997, Morphology and origin of palimpsests on Ganymede from Galileo observations, *Bull. Amer. Astron. Soc.*, 29, 988, Jones, K.B., R.T. Pappalardo, C.R. Chapman, R. Greeley, J.M. Moore, G. Neukum, and the Galileo SSI Team.
533. 1997, Large impact features on Europa: The Galileo view, *Bull. Amer. Astron. Soc.*, 29, 983, Moore, J.M., E. Asphaug, D. Morrison, R.J. Sullivan, R. Greeley, K.C. Bender, P.E. Geissler, A.S. McEwen, B.R. Tufts, J.W. Head III, R.T. Pappalardo, M.J.S. Belton, R.L. Kirk, and the Galileo SSI Team.
534. 1997, Geology of Europa as revealed by Galileo imaging, *Bull. Amer. Astron. Soc.*, 29, 982, Pappalardo, R.T., R. Greeley, J.W. Head, R.J. Sullivan, M.H. Carr, C.R. Chapman, R. Greenberg, P. Geissler, B.R. Tufts, C. Phillips, A. McEwen, M.J.S. Belton, and the Galileo Imaging Team.
535. 1997, Ganymede tectonics: Insights from Galileo imaging, *Bull. Amer. Astron. Soc.*, 29, 989, Pappalardo, R.T., J.W. Head, G.C. Collins, L.M. Prockter, R. Greeley, C.R. Chapman, P. Helfenstein, G. Neukum, R. Wagner, B.R. Tufts, and the Galileo Imaging Team.
536. 1997, Europa: Color, photometry, and the appearance of surface features, *Bull. Amer. Astron. Soc.*, 29, 985, Phillips, C.B., A.S. McEwen, P.E. Geissler, B.E. Clark, R. Sullivan, R. Greeley, and the Galileo SSI Team.
537. 1997, Dark terrain on Ganymede: New observations from Galileo, *Bull. Amer. Astron. Soc.*, 29, 988, Prockter, L.M., J.W. Head, R.T. Pappalardo, D. Senske, G. Neukum, R. Greeley, J. Moore, and the Galileo SSI Team.
538. 1997, Ganymede impact crater morphology as revealed by Galileo, *Bull. Amer. Astron. Soc.*, 29, 989, Weitz, C.M., J.W. Head, R. Pappalardo, C. Chapman, R. Greeley, P. Helfenstein, G. Neukum, and the Galileo SSI Team.
539. 1997, The partially watery world of Europa, one of Jupiter's moons, *Earth in Space*, 10, 11-14, Greeley, R.
540. 1997, Theoretical and experimental modeling of erosion by lava, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-419, Challis, D. and R. Greeley.
541. 1997, Cratering in the Jupiter system: Intersatellite comparisons, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-312, Chapman, C.R., W.J. Merline, B. Bierhaus, S. Brooks, M. Carr, R. Greeley, R. Sullivan, J.M. Moore, D. Morrison, J. Head, B. Pappalardo, and the Galileo Imaging Team.
542. 1997, Cryovolcanism on Europa and planetary silicate analogs, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-190, Fagents, S.A., W. Schwarz, R. Greeley, and the Galileo SSI Team.
543. 1997, European pits, domes, spots and ridges: Evidence for an origin through recent solid-state convection, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-312, Head, J.W., R.T. Pappalardo, R. Greeley, R.J. Sullivan, and the Galileo Imaging Team.

544. 1997, Exogenic degradation and mass wasting on the icy Galilean satellites, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-314, Klemaszewski, J., J.M. Moore, E. Asphaug, D. Morrison, R. Greeley, R. Sullivan, P.E. Geissler, C.R. Chapman, C.B. Pilcher, and W. Ip.
545. 1997, Ridge orientations on Europa: Observations from Galileo images, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-405-406, Kraft, M.D., and R. Greeley.
546. 1997, Spaceborne radar measurements of surface soil moisture and aerodynamic roughness: The Denmark test site, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-40, McHone, J.F., K.K. Williams, R. Greeley, K.R. Rasmussen, and D.G. Blumberg.
547. 1997, Analysis of the margins of lava and debris flows reveals characteristics of flow emplacement, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-165, Michaels, G. and R. Greeley.
548. 1997, Large impact features on Europa: The Galileo view, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-313, Moore, J.M., E. Asphaug, D. Morrison, R.J. Sullivan, J.E. Klemaszewski, R. Greeley, K.C. Bender, P.E. Geissler, A.S. McEwen, B.R. Tufts, J.W. Head III, R.T. Pappalardo, M.J.S. Belton, R.L. Kirk, and the Galileo SSI Team.
549. 1997, Domes, pits, and spots on Europa: Rayleigh-Taylor instabilities from compositional layering?, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-312, Moreau, J.W., R. Greeley, and the Galileo Imaging Team.
550. 1997, Relative sediment contribution and potential exobiology of the Mars pathfinder landing site region, Chryse Planitia, Mars, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-214, Nelson, D.M. and R. Greeley.
551. 1997, Ridges, troughs, and lithospheric thickness on Ganymede and Europa, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-313, Pappalardo, R.T., J.W. Head, G.C. Collins, R. Greeley, R.J. Sullivan, B.R. Tufts, J.M. Moore, and the Galileo Imaging Team.
552. 1997, Applying terrestrial magmatic intrusion models to echelon structures on Europa, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-406, Schwarz, W., R. Greeley, and J. Fink.
553. 1997, The origin and evolution of furrow systems on Ganymede and Callisto: New results from Galileo solid-state imaging, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-313-314, Prockter, L.M., J.W. Head, D.A. Senske, G. Neukum, R. Greeley, R.T. Pappalardo, K. Bender, J. Moore, and the Galileo SSI Team.
554. 1997, Ridge formation on Europa: Examples from Galileo high resolution images, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-312, Sullivan, R., R. Greeley, J. Klemaszewski, M. Kraft, J. Moreau, K. Williams, M. Belton, M. Carr, C. Chapman, B.E. Clark, P. Geissler, R. Greenberg, B.R. Tufts, J. Head, R. Pappalardo, and J.M. Moore.
555. 1997, Three models for the thickness of an ice plate on Europa, *Geol. Soc. Amer.*, Abstracts with Programs, October 20-23, A-406, Williams, K.K., R. Greeley, and the Galileo Imaging Team.

556. 1997, Volcanic Origin of Planetary Channels, Rilles and Canali: Formation by Flowing Lava?, In *Volcanic activity and the environment*, IAVCEI General Assembly, Puerto Vallarta, Mexico, 29, Fagents, S.A., R. Greeley, S.D. Kadel, and D.A. Williams.
557. 1997, Impact evolution of icy regoliths, *Lunar Planet. Sci.*, 28, 63-64, Asphaug, E., J.M. Moore, D. Morrison, K. Bender, R.S. Sullivan, R. Greeley, P. Geissler, C.R. Chapman, and the Galileo SSI Team.
558. 1997, The Asgard and Valhalla regions; Galileo's new views of Callisto, *Lunar Planet. Sci.*, 28, 89-90, Bender, K.C., K.S. Homan, R. Greeley, C.R. Chapman, J. Moore, C. Pilcher, W.J. Merline, J.W. Head, M. Belton, T.V. Johnson, and the SSI Team.
559. 1997, A large multi-ringed structure on Europa: A possible remnant of an impact basin buried beneath the ice crust, *Lunar Planet. Sci.*, 28, 207-208, Carr, M., F. Chuang, M. Belton, K. Bender, C. Chapman, R. Greeley, A. McEwen, R. Sullivan, and the Galileo Imaging Team.
560. 1997, Populations of small craters on Europa, Ganymede, and Callisto: Initial Galileo imaging results, *Lunar Planet. Sci.*, 28, 217-218, Chapman, C.R., W.J. Merline, B. Bierhaus, J. Keller, S. Brooks, A. McEwen, B.R. Tufts, J. Moore, M. Carr, R. Greeley, K.C. Bender, R. Sullivan, J. Head, R. Pappalardo, M.J.S. Belton, G. Neukum, R. Wagner, C. Pilcher, and the Galileo Imaging Team.
561. 1997, Multispectral behaviour and mixing model simulations of European terrains from Galileo images, *Lunar Planet. Sci.*, 28, 235-236, Clark, B.E., P. Helfenstein, J. Veverka, P. Geissler, M. Bell, R. Greeley, R. Sullivan, T. Denk, A.S. McEwen, C.B. Phillips, and the Galileo Imaging Team.
562. 1997, Martian fluvial-thermal erosion: Experimental control of the model, *Lunar Planet. Sci.*, 28, 261-262, Costard, F., J. Aguirre-Puente, N. Makhoulfi, and R. Greeley.
563. 1997, Disk-resolved spectral characteristics of Ganymede and Callisto, *Lunar Planet. Sci.*, 28, 293-294, Denk, T., G. Neukum, P. Helfenstein, M.J.S. Belton, K.C. Bender, P. Geissler, R. Greeley, J.W. Head, R. Jaumann, R.T. Pappalardo, and the Galileo SSI Team.
564. 1997, Explosive venting on Europa? A preliminary assessment, *Lunar Planet. Sci.*, 28, 345-346, Fagents, S.A., R. Greeley, and the Galileo SSI Team.
565. 1997, Galileo multispectral imaging of Europa: Evidence for non-synchronous rotation, *Lunar Planet. Sci.*, 28, 401-402, Geissler, P.E., M. Bell, M.J.S. Belton, J. Burns, B.E. Clark, T. Denk, R. Greeley, R. Greenberg, P. Helfenstein, A. McEwen, R. Pappalardo, R. Sullivan, R. Tufts, J. Veverka, and the Galileo Imaging Team.
566. 1997, Edible curriculum: Modeling lava viscosity using pudding, *Lunar Planet. Sci.*, 28, 423-424, Gitlin, A.R., K.C. Bender, and R. Greeley.
567. 1997, A multi-instrument spectral view of Europa from Galileo, *Lunar Planet. Sci.*, 28, 449-450, Granahan, J.C., F.P. Fanale, T.B. McCord, G. Hansen, P. Geissler, R. Greeley, R. Sullivan, R.W. Carlson, L.W. Kamp, F. Leader, D. Matson, A. Ocampo, W. Smythe, K. Becker, T. Becker, D. Cook, B.E. Clark, P. Helfenstein, J. Verveka, M.J.S. Belton, and the Galileo NIMS and SSI instrument teams.

568. 1997, Europa triple bands: Galileo images, *Lunar Planet. Sci.*, 28, 455-456, Greeley, R., R. Sullivan, K.C. Bender, K.S. Homan, S.A. Fagents, R.T. Pappalardo, J.W. Head, and the SSI Team.
569. 1997, Geology of Europa: Initial Galileo imaging results, *Lunar Planet. Sci.*, 28, 453-454, Greeley, R., R. Sullivan, K.C. Bender, M.J.S. Belton, M. Carr, C. Chapman, B.E. Clark, S.A. Fagents, P.E. Geissler, J.W. Head, K.S. Homan, T. Johnson, K. Klaasen, J. Klemaszewski, A.S. McEwen, J.M. Moore, G. Neukum, R.T. Pappalardo, C.B. Phillips, C. Pilcher, D. Senske, P.C. Thomas, and the SSI Team.
570. 1997, Ganymede: Major geologic questions and first results from the Galileo G1 and G2 encounters, *Lunar Planet. Sci.*, 28, 533-534, Head, J.W., R.T. Pappalardo, M.J.S. Belton, M. Carr, C. Chapman, R. Greeley, R. Greenberg, A. McEwen, G. Neukum, C. Pilcher, J. Veverka, T. Johnson, K. Klaasen, D. Senske, H. Breneman, and the Galileo Solid State Imaging Team.
571. 1997, Tectonic resurfacing on Ganymede and its role in the formation of grooved terrain, *Lunar Planet. Sci.*, 28, 535-536, Head, J.W., R. Pappalardo, G. Collins, R. Greeley, and the Galileo Imaging Team.
572. 1997, Morphology of palimpsests on Ganymede from Galileo observations, *Lunar Planet. Sci.*, 28, 679-680, Jones, K.B., J.W. Head, C.R. Chapman, R. Greeley, J.M. Moore, G. Neukum, R.T. Pappalardo, and the Galileo SSI Team.
573. 1997, Topography of European brown and gray mottled terrains from Galileo images at low sun illumination, *Lunar Planet. Sci.*, 28, 739-740, Klemaszewski, J.E., R. Greeley, and the SSI Team.
574. 1997, Geologic mapping of Gusev Crater-Ma'adim Vallis region, Mars, *Lunar Planet. Sci.*, 28, 779-780, Kuzmin, R.O., R. Greeley, R. Landheim, and N. Cabrol.
575. 1997, A first analysis of Callisto using Galileo NIMS and SSI measurements, *Lunar Planet. Sci.*, 28, 899-900, McCord, T.B., K.C. Bender, G.B. Hansen, C.A. Hibbitts, J. Granahan, M. Segura, R.W. Carlson, W. Smyth, R. Greeley, P. Geissler, M.J.S. Belton, and the NIMS and SSI Teams.
576. 1997, 17 years of surface changes on Io: Galileo SSI results, *Lunar Planet. Sci.*, 28, 907-908, McEwen, A., L. Keszthelyi, D. Simonelli, T. Johnson, M. Carr, R. Greeley, and the Galileo SSI Team.
577. 1997, More impact and impact-like structures on SIR-C radar; Europe, Africa, and Arabian Peninsula, *Lunar Planet. Sci.*, 28, 915-916, McHone, J.F. and R. Greeley.
578. 1997, Comparison of aerodynamic roughness (Z-0) values from wind measurements and SRL radar; Western U.S. and Namibian deserts, *Lunar Planet. Sci.*, 28, 917-918, McHone, J.F., R. Greeley, and D.G. Blumberg.
579. 1997, Europa's craters and pits: Preliminary insights from the first orbits of Galileo, *Lunar Planet. Sci.*, 28, 941-942, Merline, W.J., C.R. Chapman, B. Bierhaus, J. Keller, S. Brooks, A. McEwen, R. Sullivan, R. Greeley, K. Bender, M. Carr, C. Pilcher, and the Galileo Imaging Team.

580. 1997, Debris flows or lava flows on Mars? Shapes of terrestrial counterparts may help identify flows imaged in upcoming missions, *Lunar Planet. Sci.*, 28, 949-950, Michaels, G. and R. Greeley.
581. 1997, Landform degradation and mass wasting on the icy Galilean satellites, *Lunar Planet. Sci.*, 28, 971-972, Moore, J.M., E. Asphaug, D. Morrison, K.C. Bender, R.J. Sullivan, R. Greeley, P.E. Geissler, C.R. Chapman, C.B. Pilcher, and the Galileo SSI Team.
582. 1997, European macula: Possible origins, *Lunar Planet. Sci.*, 28, 973-974, Moore, J.M., K.C. Bender, R.J. Sullivan, R. Greeley, A.S. McEwen, B.R. Tufts, J.W. Head III, R.T. Pappalardo, M.J.S. Belton, and the Galileo SSI Team.
583. 1997, Sediment deposition from outflow channels at the Mars Pathfinder landing site, Mars, *Lunar Planet. Sci.*, 28, 1011-1012, Nelson, D.M., R.O. Kuzmin, and R. Greeley.
584. 1997, Ganymede grooved terrain at the local scale: Results from Galileo, *Lunar Planet. Sci.*, 28, 1061-1062, Pappalardo, R.T., J.W. Head, G.C. Collins, R. Greeley, and the Galileo SSI Team.
585. 1997, The origin of grooved terrain on Ganymede: Insights from Galileo high-resolution imaging, *Lunar Planet. Sci.*, 28, 1063-1064, Pappalardo, R.T., J.W. Head, G.C. Collins, R. Greeley, and the Galileo SSI Team.
586. 1997, Ganymede vs. Europa: Comparisons of sulci at the regional scale, *Lunar Planet. Sci.*, 28, 1067-1068, Pappalardo, R.T., J.W. Head, R. Greeley, R. Sullivan, M.H. Carr, B.R. Tufts, and the Galileo SSI Team.
587. 1997, New mosaics of Europa and mapping of endogenic units, *Lunar Planet. Sci.*, 28, 1103-1104, Phillips, C.B., A.S. McEwen, P.E. Geissler, R. Greeley, R. Sullivan, R. Pappalardo, and the Galileo SSI Team.
588. 1997, Furrow formation on Ganymede and Callisto: New evidence from Galileo, *Lunar Planet. Sci.*, 28, 1141-1142, Prockter, L., J.W. Head, R. Greeley, K.C. Bender, R.T. Pappalardo, G. Neukum, R. Wagner, B. Giese, J. Oberst, A. Cook, B. Schreiner, and the Galileo SSI Team.
589. 1997, The distribution and origin of dark material in Galileo Regio, Ganymede: New evidence from geological relationships seen in the Galileo data, *Lunar Planet. Sci.*, 28, 1143-1144, Prockter, L., J.W. Head, R. Pappalardo, R. Greeley, D. Senske, J. Moore, T. Denk, and the Galileo SSI Team.
590. 1997, Galileo observations of dark terrain on Ganymede: Geological mapping of the Galileo Regio target site, *Lunar Planet. Sci.*, 28, 1145-1146, Prockter, L., J.W. Head, D. Senske, G. Neukum, R. Wagner, U. Wolf, R. Greeley, and the Galileo Imaging Team.
591. 1997, Galileo NIMS and SSI Collaborative Observations at Callisto, *Lunar Planet. Sci.*, 28, 1275-1276, Segura, M., K. Bender, J. Granahan, T. McCord, R. Greeley, R. Carlson, M. Belton, and the NIMS and SSI Teams.
592. 1997, Stratigraphy of Uruk Sulcus as revealed by high-resolution Galileo images, *Lunar Planet. Sci.*, 28, 1277-1278, Senske, D.A., J.W. Head, R. Pappalardo, G. Collins, R. Greeley, K. Magee, G. Neukum, C. Chapman, and the Galileo Imaging Team.

593. 1997, Galileo views of crustal disruption on Europa, *Lunar Planet. Sci.*, 28, 1395-1396, Sullivan, R., M. Belton, K. Bender, M. Carr, C. Chapman, R. Greeley, J. Head, K. Homan, J. Moore, R. Pappalardo, B.R. Tufts, and the Galileo SSI Team.
594. 1997, Wind-flow over seif dune models: Implications for Mars, *Lunar Planet. Sci.*, 28, 1451-1452, Tsoar, H., G.R. Wilson, R.V. Coquilla, B.R. White, and R. Greeley.
595. 1997, Galileo observations of impact crater morphology Ganymede, *Lunar Planet. Sci.*, 28, 1531-1532, Weitz, C.M., J.W. Head III, R. Pappalardo, G. Neukum, B. Giese, J. Oberst, T. Cook, B. Schreiner, R. Greeley, P. Helfenstein, C. Chapman, and the Galileo SSI Team.
596. 1997, The effect of lunar crustal thickness on the morphologic transition from central peak to peak-ring craters, *Lunar Planet. Sci.*, 28, 1557-1558, Williams, K.K. and R. Greeley.
597. 1997, Mead Crater, Venus: Aerodynamic roughness of wind streaks, *Lunar Planet. Sci.*, 28, 1559-1560, Williams, K.K. and R. Greeley.
598. 1997, Experiments of dust threshold and flux under Martian conditions, *Lunar Planet. Sci.*, 28, 1563-1564, Wilson, G.R., R. Greeley, and B.R. White.
599. 1997, The satellites of Jupiter: Results of the first years imaging by Galileo, *EOS, AGU*, 78, F407, Carr, M.H., M.J.S. Belton, C.H. Chapman, J.W. Head, R. Greeley, R.J. Greenberg, K.P. Klaasen, A.S. McEwen, G. Neukum, and J. Veverka.
600. 1997, Evolution of lineaments on Europa, *EOS, AGU*, 78, F417, Geissler, P.E., R. Greenberg, G. Hoppa, A. McEwen, R. Tufts, B. Clark, M. Ockert-Bell, P. Helfenstein, J. Burns, J. Veverka, R. Sullivan, R. Greeley, R. Pappalardo, M.J.S. Belton, T. Denk, and the Galileo Imaging Team.
601. 1997, Galileo's multi-instrument spectral view of Tyre Macula, *EOS, AGU*, 78, F417, Granahan, J.C., F.P. Fanale, R. Carlson, L. Kamp, D. Matson, A. Ocampo, W. Smythe, R. Greeley, R. Sullivan, P. Geissler, J.M. Moore, M. Belton, and the Galileo NIMS and SSI Instrument Teams.
602. 1997, Galileo at Europa in the nominal mission, *EOS, AGU*, 78, F408, Greeley, R., R. Sullivan, J. Klemaszewski, J.W. Head, R. Pappalardo, M.J.S. Belton, T.V. Johnson, M. Carr, B.R. Tufts, J.M. Moore, C.R. Chapman, G. Neukum, T. Denk, and the Galileo SSI Team.
603. 1997, Aeolian Geology and the Mars Pathfinder Landing Site, *EOS, AGU*, 78, F395, Greeley, R., R. Sullivan, M. Kraft, P. Smith, M. Malin, R. Kuzmin, M.P. Golombek, and K. Herkenhoff.
604. 1997, Ganymede: Synthesis of solid state imaging results from the Galileo mission, *EOS, AGU*, 78, F408, Head, J.W., R. Pappalardo, R. Greeley, R. Greenberg, C. Chapman, G. Neukum, M.J.S. Belton, M. Carr, C. Pilcher, G. Collins, L. Prockter, K. Jones, J. Moore, D. Senske, K. Klaasen, K. Magee, and H. Breneman.
605. 1997, Cryovolcanism on Ganymede: Evidence from Galileo solid state imaging data, *EOS, AGU*, 78, F417, Head, J.W., R. Pappalardo, J. Kay, G. Collins, L. Prockter, R. Greeley, C. Chapman, M. Carr, and M.J.S. Belton.

606. 1997, Lofn Crater, Callisto: A large flat-floored impact structure observed by Galileo, *EOS, AGU*, 78, F419, Heiner, S.E., J.F. McHone, J.E. Klemaszewski, R. Greeley, K.C. Bender, K.S. Homan, and the SSI Imaging Team.
607. 1997, Relations between surface chemistry and topography of Callisto as observed during the Galileo mission by NIMS and SSI, *EOS, AGU*, 78, F420, Hibbitts, C.A., T.B. McCord, G.B. Hansen, P.D. Martin, J.C. Granahan, J. Klemaszewski, R. Greeley, M. Segura, R.W. Carlson, W.D. Smythe, G. Neukum, T. Denk, and the NIMS and SSI Teams.
608. 1997, Multi-ring structures on Callisto: New views from Galileo, *EOS, AGU*, 78, F419-420, Homan, K.S., K.C. Bender, J.E. Klemaszewski, R. Greeley, J.W. Head, R.T. Pappalardo, L. Prockter, and the Galileo Solid State Imaging Team.
609. 1997, Fissure eruptions on Europa-An alternative origin for trough-bounding ridge pairs, *EOS, AGU*, 78, F417, Kadel, S.D., S.A. Fagents, J.E. Klemaszewski, and R. Greeley.
610. 1997, Galileo SSI imaging of Callisto-Nominal mission, *EOS, AGU*, 78, F408, Klemaszewski, J.E., R. Greeley, K.S. Homan, K.C. Bender, R.J. Sullivan, S. Kadel, C. Chapman, W.J. Merline, J.M. Moore, R. Wagner, G. Neukum, T. Denk, J.W. Head, R. Pappalardo, M. Belton, T.V. Johnson, C. Pilcher, and the Galileo SSI Team.
611. 1997, Geology and geomorphology of the Pathfinder landing site, *EOS, AGU*, 78, F395, Malin, M., T. Parker, R. Greeley, R. Jaumann, U. Keller, R. Kirk, L. Matthies, M. Sims, L. Soderblom, C. Stoker, R. Sullivan, and B. Wilcox.
612. 1997, Very high temperature volcanism on Io, *EOS, AGU*, 78, F419, McEwen, A., L. Keszthelyi, P. Geissler, J. Spencer, R. Lopes-Gautier, A. Davies, T. Johnson, K. Klaasen, M. Belton, G. Schubert, J. Head, R. Greeley, S. Fagents, M. Carr, D. Simonelli, J. Veverka, and the Galileo SSI Team.
613. 1997, Radar estimates of aerodynamic roughness (Z_0) for Denmark sites with significant soil moisture, *EOS, AGU*, 78, F409, McHone, J.F., K.K. Williams, R. Greeley, K.R. Rasmussen, and D.G. Blumberg.
614. 1997, Large impact features on Europa: The Galileo view, *EOS, AGU*, 78, F416, Moore, J.M., E. Asphaug, D. Morrison, R.J. Sullivan, J.E. Klemaszewski, R. Greeley, K.C. Bender, P.E. Geissler, A.S. McEwen, B.R. Tufts, J.W. Head III, R.T. Pappalardo, K.B. Jones, C.R. Chapman, R.L. Kirk, and the Galileo SSI Team.
615. 1997, A Rayleigh-Taylor instability model for domes on Europa, *EOS, AGU*, 78, F415, Moreau, J.W., R. Greeley, R. Pappalardo, J. Head III, and the Galileo Solid State Imaging Team.
616. 1997, Diapirism and solid-state convection on Europa: Models for the origins of lenticulae and ridges, *EOS, AGU*, 78, F415, Pappalardo, R.T., J.W. Head, R. Greeley, R.J. Sullivan, J. Klemaszewski, C. Pilcher, G. Schubert, W. Moore, M.H. Carr, J.M. Moore, M.J.S. Belton, and the Galileo Imaging Team.
617. 1997, Initial results of the Imager for Mars Pathfinder (IMP) windsock experiment, *EOS, AGU*, 78, F402, Sullivan, R., R. Greeley, M. Kraft, J. Murphy, G. Wilson, M. Golombek, and K. Herkenhoff.

618. 1997, Estimates of ice thickness on Europa, *EOS, AGU*, 78, F415-416, Williams, K.K., R. Greeley, R.J. Sullivan, J.W. Head, R.T. Pappalardo, P. Geissler, R. Greenberg, R. Tufts, R. Kirk, and the Galileo Imaging Team.
619. 1997, A Galileo multi-instrument study of Europa's color heterogeneities, *Bull. of the Amer. Astron. Soc.*, 29, 982, Granahan, J.C., F.P. Fanale, T.B. McCord, G. Hansen, R. Carlson, L. Kamp, D. Matson, A. Ocampo, W. Smythe, A.R. Hendrix, C. Barth, F. Leader, R. Mehlman, R. Greeley, R. Sullivan, B.E. Clark, P. Helfenstein, J. Veverka, P. Geissler, M.J.S. Belton, K. Becker, T. Becker, D. Cook, and the Galileo NIMS, SSI, and UVS Teams.
620. 1997, Galileo imaging results from Europa, *Workshop on Remote Sensing of Planetary Ices: Earth and other solid bodies, Flagstaff, AZ, June 11-13*, Greeley, R. and the Galileo imaging team.
621. 1997, Ice Geology: Ganymede, Callisto, and Europa as revealed by Galileo imaging, *Workshop on Remote Sensing of Planetary Ices: Earth and other solid bodies, Flagstaff, AZ, June 11-13*, Pappalardo, R.T., J.W. Head, R. Greeley, R. Sullivan, M.H. Carr, C.R. Chapman, M.J.S. Belton, and the Galileo Imaging Team.
622. 1997, Ice on Europa: Color, photometry, and the appearance of surface features, *Workshop on Remote Sensing of Planetary Ices: Earth and other solid bodies, Flagstaff, AZ, June 11-13*, Phillips, C.B., A.S. McEwen, P.E. Geissler, B.E. Clark, R. Sullivan, R. Greeley, and the Galileo SSI Team.
623. 1998, Geology of Europa from Galileo Imaging, *COSPAR*, 32, Nagoya, Japan, 89, Pappalardo, R., J.W. Head, R. Greeley, M.J.S. Belton, and the Galileo SSI Team.
624. 1998, Constraints on European cryomagmatic material properties, *Eos, Spring AGU*, 79, 202, Fagents, S.A., S.D. Kadel, R. Greeley, R.L. Kirk, and Galileo SSI Team.
625. 1998, The compositional-extrusive nature of Europa's linea as observed by Galileo, *Eos, Spring AGU*, 79, 203, J.C. Granahan, F.P. Fanale, T.B. McCord, G. Hansen, R. Carlson, L.W. Kamp, W. Smythe, R. Greeley, S. Kadel, M.J.S. Belton, and Galileo NIMS and SSI Team.
626. 1998, Galileo evidence for cryovolcanism on Ganymede and Europa, *Eos, Spring AGU*, 79, 202, J.W. Head, R. Pappalardo, J. Kay, L.M. Prockter, G. Collins, N. Sherman, R. Greeley, and Galileo Imaging Team.
627. 1998, Double ridges on Europa: Physical characteristics and origin inferred from morphology, *Eos, Spring AGU*, 79, 203, Kadel, S.D., S.A. Fagents, R. Greeley, J.E. Klemaszewski, J.M. Moore, R.J. Sullivan, R. Greenberg, G. Hoppa, R. Tufts, and Galileo SSI Team.
628. 1998, Multi-ring structures and jovian large impactor populations from Galileo data of Callisto, *Eos, Spring AGU*, 79, 197, Klemaszewski, J., R. Wagner, R. Greeley, K. Homan, G. Neukum, C. Chapman, W.J. Merline, and Galileo SSI Team.
629. 1998, High resolution Galileo views of ridged plains on Europa, *Eos, Spring AGU*, 79, 198, Sullivan, R., R. Greeley, J. Klemaszewski, J. Moreau, J.W. Head III, R. Pappalardo, J. Moore, and B.R. Tufts.

630. 1998, The search for a subsurface ocean on Europa, *AGU, Western Pacific Meeting*, 79, 56, Pappalardo, R.T., J.W. Head, R. Greeley, M.J.S. Belton, C. Chyba, P.E. Geissler, R. Greenberg, A.S. McEwen, and the Galileo Imaging Team.
631. 1998, Rock abrasion on Mars: Clues from the pathfinder landing site, *Eos, Fall AGU*, 79, 536, Bridges, N.T., A.F.C. Haldemann, T.J. Parker, R. Greeley, M. Kraft, K.E. Herkenhoff, W. Ward, and G.M. Kramer.
632. 1998, Europa: Geomorphologic mapping and stereo analysis of Chaos Regions southeast of the Tyre multi-ringed impact structure, *Eos, Fall AGU*, 79, 540-541, Chuang, F.C., S.D. Kadel, J.E. Klemaszewski, R. Greeley, and the Galileo SSI Team.
633. 1998, Factors influencing lava/substrate heat transfer: Inferences from computational fluid dynamic modeling, *Eos, Fall AGU*, 79, 981, Fagents, S.A. and R. Greeley.
634. 1998, Latitudinal distribution of morphological units in a previously unexplored region of Europa, *Eos, Fall AGU*, 79, 541, Figueredo, P.H., K.S. Homan, R. Greeley, and the Galileo SSI Team.
635. 1998, An active lineament on Europa?, *Eos, Fall AGU*, 79, 539, Geissler, P.E., R. Greenberg, G. Hoppa, A. McEwen, R. Tufts, C. Phillips, M. Milazzo, B. Clark, M. Ockert-Bell, P. Helfenstein, J. Veverka, R. Sullivan, J. Klemaszewski, R. Greeley, R. Pappalardo, G. Collins, L. Prockter, J.W. Head III, J. Moore, M. Belton, T. Denk, and the Galileo Imaging Team.
636. 1998, A compositional study of Europa's wedge terrains, *Eos, Fall AGU*, 79, 541, Granahan, J.C., F.P. Fanale, R. Sullivan, R. Greeley, L. Prockter, R. Pappalardo, J.W. Head III, R. Carlson, W. Smythe, and the Galileo NIMS and SSI Instrument Teams
637. 1998, Mars sand and dust experiments in a simulated Martian environment, *Eos, Fall AGU*, 79, 527-528, Greeley, R.
638. 1998, General geology of Europa and geological mapping, *Eos, Fall AGU*, 79, 534, Greeley, R.
639. 1998, Galileo Europa Mission (GEM): New insights from SSI data and outstanding questions, *Eos, Fall AGU*, 79, 534, Head, J.W., R.T. Pappalardo, R. Greeley, J. Klemaszewski, and the Galileo SSI Team.
640. 1998, Multiring structures: Interpreting Callisto's lithospheric evolution, *Eos, Fall AGU*, 79, 542, Klemaszewski, J.E., R. Greeley, K.S. Homan, and the Galileo SSI Team.
641. 1998, Morphological classification and sequence of troughs and ridges on Europa, *Eos, Fall AGU*, 79, 539, Pappalardo, R.T., J.W. Head III, L.M. Prockter, R.J. Sullivan, R. Greeley, and the Galileo Imaging Team.
642. 1998, The search for active resurfacing on Europa and Io, *Eos, Fall AGU*, 79, 539, Phillips, C.B., A.S. McEwen, G.V. Hoppa, P.E. Geissler, R.T. Pappalardo, D.P. Simonelli, R. Greeley, and the Galileo SSI Team.
643. 1998, Geomorphic mapping of Europa: Galileo views of landforms and composition in the Tyre Macula region, *Geo. Soc. Amer. Fall Mtg.*, 30, 289, Kadel, S., F. Chuang, and R. Greeley.

644. 1998, A compositional study of Europa's impact scars (Tyre and Pwyll) as seen by Galileo NIMS and SSI, *Bull. of the Amer. Astron. Soc.*, 30, 1084, Granahan, J.C., F.P. Fanale, R. Greeley, S. Kadel, F. Chuang, R. Pappalardo, J. Head III, J. Moore, E. Asphaug, L. Kamp, W. Smythe, R. Carlson, and the Galileo NIMS and SSI Teams.
645. 1998, Cratering on Callisto from the Galileo prime mission, *Bull. Amer. Astron. Soc.*, 30, 1122, Merline, W.J., C.R. Chapman, B. Bierhaus, S. Brooks, J. Moore, J.E. Klemaszewski, R. Greeley, and the Galileo Imaging Team.
646. 1998, Impact features on Europa: Results of the Galileo Europa Mission (GEM), *Bull. Amer. Astron. Soc.*, 30, 1084, Moore, J.M., E. Asphaug, D. Morrison, R.J. Sullivan, C.R. Chapman, R. Greeley, J.E. Klemaszewski, S. Kadel, F. Chuang, J. Moreau, K.K. Williams, P.E. Geissler, A.S. McEwen, E.A. Turtle, C.B. Phillips, B.R. Tufts, J.W. Head, R.T. Pappalardo, G.C. Collins, G. Neukum, R. Wagner, K.P. Klaasen, H.H. Breneman, K.P. McGee, D.A. Senske, J. Granahan, M.J.S. Belton, and the Galileo SSI Team.
647. 1998, Europa domes: Estimates of effusion rates based on terrestrial analogs, *Bull. Amer. Astron. Soc.*, 30, 1085, Schwarz, W., R. Greeley, J. Fink, and the Galileo SSI Imaging Team.
648. 1998, The search for active resurfacing on Europa and Io, *Bull. Amer. Astron. Soc.*, 30, 1085, Phillips, C.B., A.S. McEwen, G.V. Hoppa, P.E. Geissler, R.T. Pappalardo, D.P. Simonelli, R. Greeley, and the Galileo SSI Team.
649. 1998, Galileo's visible-infrared observations of the Tyre region of Europa, *Eur. Geophys. Soc.*, 16, C990, Granahan, J.C., F.P. Fanale, R. Carlson, L. Kamp, D. Matson, A. Ocampo, W. Smythe, R. Greeley, R. Sullivan, P. Geissler, J. Moore, M. Belton, and the Galileo NIMS and SSI instrument teams.
650. 1998, Europa in the prime Galileo mission, *Eur. Geophys. Soc.*, 16, C990, Greeley, R., J. Klemaszewski, S. Kadel, R. Sullivan, R. Pappalardo, J. Head III, G. Neukum, T. Denk, and the Galileo Imaging Science team.
651. 1998, Cryovolcanism on Europa: Galileo results in the nominal mission, *Eur. Geophys. Soc.*, 16, C997, Greeley, R., S. Fagents, W. Schwarz, J. Klemaszewski, R. Sullivan, J. Head, R. Pappalardo, and the Galileo SSI team.
652. 1998, Mars Pathfinder landing site: Wind-related features, *Eur. Geophys. Soc.*, 16, C1047, Greeley, R., R. Sullivan, M. Kraft, P. Smith, M. Malin, R. Kuzmin, M.P. Golombek, and K. Herkenhoff.
653. 1998, Callisto multi-ring structures and impactor populations from Galileo data, *Eur. Geophys. Soc.*, 16, C992, Klemaszewski, J., R. Wagner, R. Greeley, G. Neukum, C. Chapman, W.J. Merline, and the Galileo SSI Team.
654. 1998, Bombardment history and ages of the Galilean satellites, *Eur. Geophys. Soc.*, 16, C993, Neukum, G., R. Wagner, U. Wolf, J.W. Head III, R. Pappalardo, C.R. Chapman, W.J. Merline, R. Greeley, M.J.S. Belton, and the Galileo SSI team.
655. 1998, Diapirism and solid-state convection on Europa, *Eur. Geophys. Soc.*, 16, C994, Pappalardo, R.T., J.W. Head, R. Greeley, R.J. Sullivan, C. Pilcher, G. Schubert, W. Moore, M.H. Carr, J.M. Moore, M.J.S. Belton, and the Galileo SSI Team.

656. 1998, Ganymede dark terrain morphology and tectonics: Results from the first year of Galileo, *Eur. Geophys. Soc.*, 16, C994, Prockter, L.M., J.W. Head III, R.T. Pappalardo, D. Senske, G. Neukum, R. Greeley, and the Galileo SSI Team.
657. 1998, Morphology, geology, distribution and ages of dome craters on Ganymede and Callisto, *Eur. Geophys. Soc.*, 16, C995, Wagner, R., U. Wolf, G. Neukum, J. Klemaszewski, R. Greeley, and the Galileo SSI Team.
658. 1998, Geological and morphological analysis of dome craters on Ganymede: Neith on Ganymede, *Galileo/Cassini-Huygens Intl. Symp., Nantes, France, May 11-15*, 77, Wagner, R., U. Wolf, G. Neukum, J.E. Klemaszewski, R. Greeley, J.W. Head III, R.T. Pappalardo, J. Moore, and the Galileo SSI Team.
659. 1998, Crater-controlled fracture networks and the depth of ice lithospheres, *Lunar and Planetary Science*, XXIX, Abstract #1587, Lunar and Planetary Institute, Houston (CD-ROM), Asphaug, E., J.M. Moore, D. Morrison, P.H. Figueredo, R. Greeley, R.T. Pappalardo, L.M. Prockter, R. Tufts, and the Galileo SSI Team.
660. 1998, Orientation of aeolian flutes at the Mars Pathfinder landing site, *Lunar and Planetary Science*, XXIX, Abstract #1530, Lunar and Planetary Institute, Houston (CD-ROM), Bridges, N.T., R. Greeley, A.F.C. Haldemann, K.E. Herkenhoff, M. Kraft, T.J. Parker, and A.W. Ward.
661. 1998, Imaging the surface of Venus: Feasibility of drop-probe photography, *Lunar and Planetary Science*, XXIX, Abstract #1646, Lunar and Planetary Institute, Houston (CD-ROM), Campbell, B.A., R. Greeley, E.R. Stofan, R. Gaskell, M.K. Shepard, and K. Klaasen.
662. 1998, Intracrater landslides on Callisto: Observations from the Galileo nominal mission, *Lunar and Planetary Science*, XXIX, Abstract #1331, Lunar and Planetary Institute, Houston (CD-ROM), Chuang, F.C., R. Greeley, J.E. Klemaszewski, J.M. Moore, and the Galileo Solid State Imaging Team.
663. 1998, Europa's colors, observed by Galileo-SSI: Yellow mottled terrain on the leading side, brown mottled terrain on the trailing side, *Lunar and Planetary Science*, XXIX, Abstract #1684, Lunar and Planetary Institute, Houston (CD-ROM), Denk, T., G. Neukum, M.J.S. Belton, H.H. Breneman, P.E. Geissler, R. Greeley, G.B. Hansen, P. Helfenstein, C.A. Hibbitts, R. Jaumann, T.V. Johnson, P.D. Martin, T.B. McCord, A.S. McEwen, R.J. Sullivan, and the Galileo SSI Team.
664. 1998, Lava flow dynamics and heat transfer: Insights into planetary flow emplacement from computational fluid dynamic modeling, *Lunar and Planetary Science*, XXIX, Abstract #1681, Lunar and Planetary Institute, Houston (CD-ROM), Fagents, S.A. and R. Greeley.
665. 1998, Styles of cryovolcanism on Europa: Summary of evidence from the Galileo nominal mission, *Lunar and Planetary Science*, XXIX, Abstract #1721, Lunar and Planetary Institute, Houston (CD-ROM), Fagents, S.A., S.D. Kadel, R. Greeley, R.L. Kirk, and the Galileo SSI team.
666. 1998, Crater-influenced fracture pattern of Nicholson regio: Implications for the cratering record of Ganymede, *Lunar and Planetary Science*, XXIX, Abstract #1330, Lunar and Planetary Institute, Houston (CD-ROM), Figueredo, P.H., R. Greeley, J.M. Moore, E. Asphaug, and the Galileo Solid State Imaging team.

667. 1998, A recently active lineament on Europa?, *Lunar and Planetary Science*, XXIX, Abstract #1904, Lunar and Planetary Institute, Houston (CD-ROM), Geissler, P.E., R. Greenberg, G. Hoppa, A. McEwen, R. Tufts, C. Phillips, B. Clark, M. Ockert-Bell, P. Helfenstein, J. Burns, J. Veverka, R. Sullivan, R. Greeley, R.T. Pappalardo, J.W. Head III, M.J.S. Belton, T. Denk, and the Galileo Imaging Team.
668. 1998, Galileo remote sensing compositional studies of the Tyre region of Europa, *Lunar and Planetary Science*, XXIX, Abstract #1291, Lunar and Planetary Institute, Houston (CD-ROM), Granahan, J.C., F.P. Fanale, R. Carlson, L. Kamp, D. Matson, A. Ocampo, W. Smythe, R. Greeley, P. Geissler, J. Moore, M. Belton, and the Galileo NIMS and SSI instrument teams.
669. 1998, Europa in the prime Galileo mission, *Lunar and Planetary Science*, XXIX, Abstract #1402, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R., J. Klemaszewski, S. Kadel, R. Sullivan, R. Pappalardo, J. Head III, G. Neukum, T. Denk, J. Moore, R. Greenberg, P. Geissler, R. Tufts, G. Hoppa, and the Galileo Imaging Science team.
670. 1998, Aeolian geology of the Mars Pathfinder site, *Lunar and Planetary Science*, XXIX, Abstract #1413, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R., M. Kraft, G. Wilson, R. Sullivan, R. Kuzmin, M. Malin, N. Bridges, K. Herkenhoff, M. Golombek, and P. Smith.
671. 1998, Origin of ridges and bands on Europa: Morphologic characteristics and evidence for linear diapirism from Galileo data, *Lunar and Planetary Science*, XXIX, Abstract #1414, Lunar and Planetary Institute, Houston (CD-ROM), Head, J.W., R.T. Pappalardo, R. Greeley, R. Sullivan, and the Galileo Imaging Team.
672. 1998, Cryovolcanism on Ganymede: Evidence in bright terrain from Galileo solid state imaging data, *Lunar and Planetary Science*, XXIX, Abstract #1666, Lunar and Planetary Institute, Houston (CD-ROM), Head, J.W., R. Pappalardo, J. Kay, G. Collins, L. Prockter, R. Greeley, C. Chapman, M. Carr, M.J.S. Belton, and the Galileo Imaging Team.
673. 1998, Ganymede: Overview of solid state imaging (SSI) findings from the nominal Galileo mission, *Lunar and Planetary Science*, XXIX, Abstract #1774, Lunar and Planetary Institute, Houston (CD-ROM), Head, J.W., R.T. Pappalardo, L.M. Prockter, G. Collins, M.J.S. Belton, M. Carr, C. Chapman, R. Greeley, R. Greenberg, A. McEwen, G. Neukum, C. Pilcher, J. Veverka, T. Johnson, K. Klaasen, D. Senske, K. Magee, H. Breneman, J. Kaufman, T. Jones, P. Helfenstein, J. Oberst, B. Giese, T. Denk, D. Morrison, J. Moore, and the Galileo Solid State Imaging Team.
674. 1998, Geologic history of the E4 region of Europa: Implications for ridge formation, cryovolcanism, and chaos formation, *Lunar and Planetary Science*, XXIX, Abstract #1412, Lunar and Planetary Institute, Houston (CD-ROM), Head, J.W., N.D. Sherman, R.T. Pappalardo, R. Greeley, R. Sullivan, D. Senske, A. McEwen, and the Galileo Imaging Team.
675. 1998, Cryovolcanism on Europa: Evidence for the emplacement of flows and related deposits in the E4 region (5N,305W) and interpreted eruption conditions, *Lunar and Planetary Science*, XXIX, Abstract #1491, Lunar and Planetary Institute, Houston (CD-

- ROM), Head, J.W., N.D. Sherman, R.T. Pappalardo, C. Thomas, R. Greeley, and the Galileo SSI Team.
676. 1998, Lofn crater, Callisto: A large flat-floored impact crater observed by Galileo, *Lunar and Planetary Science, XXIX*, Abstract #1884, Lunar and Planetary Institute, Houston (CD-ROM), Heiner, S.E., J.F. McHone, J.E. Klemaszewski, R. Greeley, K.C. Bender, K.S. Homan, T.B. McCord, C.A. Hibbitts, and G.B. Hansen.
677. 1998, Galileo views of three major multi-ring features on Callisto, *Lunar and Planetary Science, XXIX*, Abstract #1079, Lunar and Planetary Institute, Houston (CD-ROM), Homan, K.S., K.C. Bender, K.K. Williams, J.K. Klemaszewski, R. Greeley, and the Galileo SSI team.
678. 1998, Trough-bounding ridge pairs on Europa-considerations for an endogenic model of formation, *Lunar and Planetary Science, XXIX*, Abstract #1078, Lunar and Planetary Institute, Houston (CD-ROM), Kadel, S.D., S.A. Fagents, R. Greeley, and the Galileo SSI team.
679. 1998, Galileo at Callisto: Overview of nominal mission results, *Lunar and Planetary Science, XXIX*, Abstract #1866, Lunar and Planetary Institute, Houston (CD-ROM), Klemaszewski, J.E., R. Greeley, K.S. Homan, K.C. Bender, F.C. Chuang, S. Kadel, R.J. Sullivan, C. Chapman, W.J. Merline, J. Moore, R. Wagner, T. Denk, G. Neukum, J. Head, R. Pappalardo, L. Prockter, M. Belton, T.V. Johnson, C. Pilcher, and the Galileo SSI Team.
680. 1998, Influence of rock coatings on sand abrasion at the Mars Pathfinder landing site, *Lunar and Planetary Science, XXIX*, Abstract #1712, Lunar and Planetary Institute, Houston (CD-ROM), Kraft, M.D. and R. Greeley.
681. 1998, Mass movement and landform degradation on Callisto and Ganymede as observed during the Galileo nominal mission: The role of sublimation, *Lunar and Planetary Science, XXIX*, Abstract #1553, Lunar and Planetary Institute, Houston (CD-ROM), Moore, J.M., J.R. Spencer, E. Asphaug, D. Morrison, J.E. Klemaszewski, R.J. Sullivan, F.C. Chuang, R. Greeley, K.C. Bender, P.E. Geissler, C.R. Chapman, C.B. Pilcher, and the Galileo SSI Team.
682. 1998, Xanthe terra outflow channel geology at the Mars Pathfinder landing site, *Lunar and Planetary Science, XXIX*, Abstract #1158, Lunar and Planetary Institute, Houston (CD-ROM), Nelson, D.M. and R. Greeley.
683. 1998, Cratering chronology in the Jovian system and the derivation of absolute ages, *Lunar and Planetary Science, XXIX*, Abstract #1742, Lunar and Planetary Institute, Houston (CD-ROM), Neukum, G., R. Wagner, U. Wolf, B.A. Ivanov, J.W. Head III, R.T. Pappalardo, J.E. Klemaszewski, R. Greeley, M.J.S. Belton, and the Galileo SSI Team.
684. 1998, Classification of European ridges and troughs and a possible genetic sequence, *Lunar and Planetary Science, XXIX*, Abstract #1859, Lunar and Planetary Institute, Houston (CD-ROM), Pappalardo, R.T., J.W. Head, N.D. Sherman, R. Greeley, R.J. Sullivan, and the Galileo Imaging Team.
685. 1998, Distribution of mottled terrain on Europa: A possible link to nonsynchronous rotation stresses, *Lunar and Planetary Science, XXIX*, Abstract #1923, Lunar and Planetary Institute, Houston (CD-ROM), Pappalardo, R.T., N.D. Sherman, J.W. Head, G.C. Collins, R.

- Greeley, J. Klemaszewski, R. Sullivan, C. Phillips, A. McEwen, P.E. Geissler, and the Galileo Imaging Team.
686. 1998, Change detection on Europa and Io from Voyager and Galileo images, *Lunar and Planetary Science*, XXIX, Abstract #1732, Lunar and Planetary Institute, Houston (CD-ROM), Phillips, C.B., A.S. McEwen, G.V. Hoppa, P.E. Geissler, R. Pappalardo, R. Greeley, J. Klemaszewski, D.P. Simonelli, R. Sullivan, and the Galileo SSI Team.
687. 1998, Galileo very high resolution imaging of Conamara Chaos, Europa, *Lunar and Planetary Science*, XXIX, Abstract #1964, Lunar and Planetary Institute, Houston (CD-ROM), Prockter, L.M., R.T. Pappalardo, G.C. Collins, J.W. Head, R. Greeley, M.H. Carr, M.J.S. Belton, D.A. Senske, and the Galileo Imaging Team.
688. 1998, Furrow systems on Ganymede: Morphology, evolution and distribution, *Lunar and Planetary Science*, XXIX, Abstract #1862, Lunar and Planetary Institute, Houston (CD-ROM), Prockter, L.M., D. Senske, J.W. Head III, R.T. Pappalardo, G. Collins, R. Greeley, and the Galileo SSI Team.
689. 1998, Geologic mapping of Europa: Unit identification and stratigraphy at global and local scales, *Lunar and Planetary Science*, XXIX, Abstract #1743, Lunar and Planetary Institute, Houston (CD-ROM), Senske, D.A., R. Greeley, J. Head, R. Pappalardo, R. Sullivan, M. Carr, P. Geissler, J. Moore, and the Galileo SSI Team.
690. 1998, Initial results of the imager for Mars Pathfinder windsock experiment, *Lunar and Planetary Science*, XXIX, Abstract #1901, Lunar and Planetary Institute, Houston (CD-ROM), Sullivan, R., R. Greeley, M. Kraft, J. Murphy, G. Wilson, M. Golombek, K. Herkenhoff, and P. Smith.
691. 1998, Numerical modeling of multi-ring impact craters on Europa: Implications for subsurface structure, *Lunar and Planetary Science*, XXIX, Abstract #1325, Lunar and Planetary Institute, Houston (CD-ROM), Turtle, E.P., C.B. Phillips, A.S. McEwen, J.M. Moore, R. Greeley, and the Galileo SSI Team.
692. 1998, Time-stratigraphy and crater retention ages of geologic units on Callisto, *Lunar and Planetary Science*, XXIX, Abstract #1918, Lunar and Planetary Institute, Houston (CD-ROM), Wagner, R., U. Wolf, G. Neukum, J.E. Klemaszewski, R. Greeley, and the Galileo Imaging Team.
693. 1998, Aerodynamic roughness estimates of radar-dark wind streaks on Venus, *Lunar and Planetary Science*, XXIX, Abstract #1207, Lunar and Planetary Institute, Houston (CD-ROM), Williams, K.K. and R. Greeley.
694. 1998, Results of Martian dust threshold experiments, *Lunar and Planetary Science*, XXIX, Abstract #1719, Lunar and Planetary Institute, Houston (CD-ROM), Wilson, G.R., R. Greeley, J.F. Soriano, and B.R. White.
695. 1998, Gusev crater paleolake: Two-billion years of martian geologic, (and biologic?) history, in *Mars Surveyor 2001 landing site workshop*, January 26-27, Cabroll, N.A., E.A. Grin, R. Landheim, R. Greeley, R. Kuzmin, and C.P. McKay.
696. 1998, Kayne crater: A potential landing site on Mars, in *Mars Surveyor 2001 landing site workshop*, January 26-27, Greeley, R. and R. Kuzmin.

697. 1998, Da Vinci crater: Potential landing site for the Mars 2001 mission, in *Mars Surveyor 2001 landing site workshop*, January 26-27, Nelson, D.M., R. Greeley, and H.P. Klein.
698. 1998, Galilaei crater as a possible landing site for the Mars 2001 mission, in *Mars Surveyor 2001 landing site workshop*, January 26-27, Nelson, D.M., R. Greeley, and H.P. Klein.
699. 1998, Potential landing site for the Mars 2001 mission: Double crater near Ares Vallis, in *Mars Surveyor 2001 landing site workshop*, January 26-27, Nelson, D.M., R. Greeley, and H.P. Klein.
700. 1998, Returning pictures from space, *NSTA Southwestern Area Convention, Fall Meeting, New Mexico*, Greeley, R., K. Homan, and J. Klemaszewski.
701. 1998, Returning pictures from space, *ASTA State Convention, Fall Meeting*, Greeley, R. and K. Homan.
702. 1998, Edible curriculum: modeling lava flows using pudding, *NSTA Northwestern Area Convention, Fall Meeting, Seattle*, Kadel, S., K. Homan, J. Klemaszewski, and R. Greeley.
703. 1998, "Puzzling" Europa, *NSTA National Convention, Spring Meeting, Boston*, Klemaszewski, J., R. Greeley, K. Homan, and S. Kadel.
704. 1998, The Galileo mission: classroom exercises, *NSTA Southwestern Area Convention, Fall Meeting, New Mexico*, Homan, K., J. Klemaszewski, S. Kadel, and R. Greeley.
705. 1998, Exploring the Jovian system from your classroom, *NSTA Northwestern Area Convention, Fall Meeting, Seattle*, Klemaszewski, J., K. Homan, S. Kadel, and R. Greeley.
706. 1999, Geological processes on Europa: New insights from SSI Data, *Eur. Geophys. Soc., 1*, 741, Head, J.W., R. Pappalardo, G. Collins, L. Prockter, N.A. Spaun, R. Greeley, J. Klemaszewski, C. Chapman, and the Galileo SSI Team.
707. 1999, Large impacts on Callisto: Windows to the subsurface, *Eur. Geophys. Soc., 1*, 741, Greeley, R., J. Klemaszewski, G. Neukum, R. Wagner, R. Pappalardo, and the Galileo SSI Team.
708. 1999, Mars Pathfinder landing site: Evidence for a change in wind regime and climate from lander and orbiter data, in *The Fifth Int. Conf. on Mars*, Abstract # 6153, LPI Cont. No. 972, Lunar and Planet. Institute, Houston (CD-ROM), Greeley, R., M.D. Kraft, R.O. Kuzmin, and N.T. Bridges.
709. 1999, Deflation history of the Mars Pathfinder landing site, in *The Fifth Int. Conf. on Mars*, Abstract # 6257, LPI Cont. No. 972, Lunar and Planet. Institute, Houston (CD-ROM), Kraft, M.D. and R. Greeley.
710. 1999, Site selection for the MGS '01 Mission: An astrobiological perspective, *2nd Mars Surveyor landing site workshop, SUNY/Buffalo*, 30-32, Farmer, J., D. Nelson, R. Greeley, H. Klein, and R. Kuzmin.
711. 1999, Northern Memnonia area: A potential site for "modern" ground water, *2nd Mars Surveyor landing site workshop, SUNY/Buffalo*, 41-42, Greeley, R. and R. Kuzmin.
712. 1999, Shalbatana Vallis: A potential site for ancient ground water, *2nd Mars Surveyor landing site workshop, SUNY/Buffalo*, 43-44, Greeley, R. and R. Kuzmin.

713. 1999, Amenthes Rupes area: A potential site for ancient fluvial deposits, *2nd Mars Surveyor landing site workshop, SUNY/Buffalo*, 59-60, Kuzmin, R. and R. Greeley.
714. 1999, Ganges Chasma: A potential landing site, *2nd Mars Surveyor landing site workshop, SUNY/Buffalo*, 61-62, Kuzmin, R. and R. Greeley.
715. 1999, Geology and landing sites of the Elysium Basin-Terra Cimmeria region, Mars, *2nd Mars Surveyor landing site workshop, SUNY/Buffalo*, 71-73, Nelson, D.M., J.D. Farmer, R. Greeley, H.P. Klein, and R.O. Kuzmin.
716. 1999, About the “non-evidence” of a paleolake in Gusev Crater, Mars, *Lunar and Planetary Science, XXX*, Abstract #1030, Lunar and Planetary Institute, Houston (CD-ROM), Cabrol, N.A., E.A. Grin, R. Landheim, R. Greeley, and R.O. Kuzmin.
717. 1999, The VEGA Mission: Exploration of Venus volcanoes and atmosphere, *Lunar and Planetary Science, XXX*, Abstract #1667, Lunar and Planetary Institute, Houston (CD-ROM), Campbell, B.A., R. Greeley, E.R. Stofan, M.H. Acuna, A. Chutjian, D. Crisp, J. Cutts, B. Fegley, J. Guest, J.W. Head, K. Klaasen, J.P. Mustard, and D. Senske.
718. 1999, Callisto: Large-scale mass movements observed from the Galileo nominal mission, *Lunar and Planetary Science, XXX*, Abstract #1292, Lunar and Planetary Institute, Houston (CD-ROM), Chuang, F.C., R. Greeley, J.M. Moore, and the Galileo SSI Team.
719. 1999, Galileo-SSI color observations of the icy galilean satellites during the primary mission: (1) General comparison, *Lunar and Planetary Science, XXX*, Abstract #1872, Lunar and Planetary Institute, Houston (CD-ROM), Denk, T., G. Neukum, R.T. Pappalardo, J.W. Head, R. Greeley, and the Galileo SSI Team.
720. 1999, Galileo-SSI color observations of the icy galilean satellites during the primary mission: (2) Callisto and Europa, *Lunar and Planetary Science, XXX*, Abstract #1877, Lunar and Planetary Institute, Houston (CD-ROM), Denk, T., G. Neukum, R. Wagner, R. Greeley, and the Galileo SSI Team.
721. 1999, A cryomagmatic origin for low albedo features on Europa, *Lunar and Planetary Science, XXX*, Abstract #1296, Lunar and Planetary Institute, Houston (CD-ROM), Fagents, S.A., R. Greeley, R.J. Sullivan, R.T. Pappalardo, L.M. Prockter, and the Galileo SSI Team.
722. 1999, Factors influencing planetary lava flow dynamics and heat transfer: Implications for substrate melting, *Lunar and Planetary Science, XXX*, Abstract #1823, Lunar and Planetary Institute, Houston (CD-ROM), Fagents, S.A., D.A. Williams, and R. Greeley.
723. 1999, The Elysium Basin-Terra Cimmeria Region of Mars as a target for Mars, *Lunar and Planetary Science, XXX*, Abstract #1833, Lunar and Planetary Institute, Houston (CD-ROM), Farmer, J.D., D.M. Nelson, R. Greeley, and H.P. Klein.
724. 1999, Fracture patterns on Ganymede and the initiation of tectonic resurfacing, *Lunar and Planetary Science, XXX*, Abstract #1832, Lunar and Planetary Institute, Houston (CD-ROM), Figueredo, P.H., R. Greeley, and the Galileo SSI Team.
725. 1999, Mars Pathfinder landing site: Simulations of wind erosion and deposition, *Lunar and Planetary Science, XXX*, Abstract #1300, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R.

726. 1999, Mars dust: Laboratory experiments of flux as a function of surface roughness, *Lunar and Planetary Science*, XXX, Abstract #1189, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R., R. Coquilla, G. Wilson, B. White, R. Haberle, J.F. Soriano, and C. Bratton.
727. 1999, Mars aerobot micromissions, *Lunar and Planetary Science*, XXX, Abstract #1282, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R., J.A. Cutts, R. Arvidson, J. Blamont, D.L. Blaney, J. Cameron, V. Kerzhanovich, I.S. Smith, and A. Yavrouian.
728. 1999, Europa: Recent geological history from Galileo observations, *Lunar and Planetary Science*, XXX, Abstract #1404, Lunar and Planetary Institute, Houston (CD-ROM), Head, J.W., R.T. Pappalardo, L.M. Prockter, N.A. Spaun, G.C. Collins, R. Greeley, J. Klemaszewski, R. Sullivan, C. Chapman, and the Galileo SSI Team.
729. 1999, Latitudinal distribution of morphologic features on Europa based on Galileo Europa Mission (GEM) data: Orbits E15 and E17, *Lunar and Planetary Science*, XXX, Abstract #1960, Lunar and Planetary Institute, Houston (CD-ROM), Homan, K.S., P.H. Figueredo, and R. Greeley.
730. 1999, Geomorphic mapping of Europa: Clues to an underlying water ocean from the Tyre Macula region, *Lunar and Planetary Science*, XXX, Abstract #1975, Lunar and Planetary Institute, Houston (CD-ROM), Kadel, S., F. Chuang, R. Greeley, J. Granahan, F. Fanale, E. Asphaug, J. Moore, G. Collins, J. Head, R. Pappalardo, L. Prockter, R. Carlson, and the Galileo SSI and NIMS Teams.
731. 1999, Geologic mapping of Eastern Agenor Linea, Europa, *Lunar and Planetary Science*, XXX, Abstract #1680, Lunar and Planetary Institute, Houston (CD-ROM), Klemaszewski, J.E., R. Greeley, L.M. Prockter, P.E. Geissler, and the Galileo SSI Team.
732. 1999, Aeolian abrasion and the preservation of rock coatings at the Mars Pathfinder Landing site, *Lunar and Planetary Science*, XXX, Abstract #1686, Lunar and Planetary Institute, Houston (CD-ROM), Kraft, M.D. and R. Greeley.
733. 1999, Local and regional aeolian geomorphology at the Mars Pathfinder landing site area: Evidence for paleowind regime, *Lunar and Planetary Science*, XXX, Abstract #1415, Lunar and Planetary Institute, Houston (CD-ROM), Kuzmin, R.O. and R. Greeley.
734. 1999, Impact features on Europa: Results of the Galileo Europa Mission (GEM), *Lunar and Planetary Science*, XXX, Abstract #1485, Lunar and Planetary Institute, Houston (CD-ROM), Moore, J.M., E. Asphaug, D. Morrison, R.J. Sullivan, B. Bierhaus, C.R. Chapman, R. Greeley, J.E. Klemaszewski, S. Kadel, F. Chuang, J. Moreau, K.K. Williams, E.P. Turtle, C.B. Phillips, P.E. Geissler, A.S. McEwen, J.W. Head, R.T. Pappalardo, G.C. Collins, B. Giese, R. Wagner, G. Neukum, K.P. Klaasen, H.H. Breneman, K.P. McGee, D.A. Senske, J. Granahan, M.J.S. Belton, P.M. Schenk, and the Galileo SSI Team.
735. 1999, Morphology and evolution of European bands: Investigation of a seafloor spreading analog, *Lunar and Planetary Science*, XXX, Abstract #1900, Lunar and Planetary Institute, Houston (CD-ROM), Prockter, L.M., R.T. Pappalardo, R. Sullivan, J.W. Head, J.G. Patel, B. Giese, R. Wagner, G. Neukum, and R. Greeley.
736. 1999, Spatial distribution of lenticulae and chaos on Europa, *Lunar and Planetary Science*, XXX, Abstract #1847, Lunar and Planetary Institute, Houston (CD-ROM), Spaun, N.A.,

- L.M. Prockter, R.T. Pappalardo, J.W. Head, G.C. Collins, A. Antman, R. Greeley, and the Galileo SSI Team.
737. 1999, High resolution geological mapping of ridged plains on Europa, *Lunar and Planetary Science, XXX*, Abstract #1925, Lunar and Planetary Institute, Houston (CD-ROM), Sullivan, R., R. Greeley, J. Klemaszewski, J. Moreau, B.R. Tufts, J.W. Head III, R. Pappalardo, and J. Moore.
738. 1999, Terrain variation on Europa: Overview of Galileo orbit E17 imaging results, *Lunar and Planetary Science, XXX*, Abstract #1396, Lunar and Planetary Institute, Houston (CD-ROM), Williams, D.A., J.E. Klemaszewski, R. Greeley, J.M. Moore, R.T. Pappalardo, L.M. Prockter, J.W. Head, P.E. Geissler, G.V. Hoppa, C.B. Phillips, B.R. Tufts, R. Greenberg, R.J. Sullivan, M.J.S. Belton, and the Galileo Imaging Team.
739. 1999, Komatiites from the komatitite greenstone belt, South Africa: A potential analog to ionian ultramafics?, *Lunar and Planetary Science, XXX*, Abstract #1353, Lunar and Planetary Institute, Houston (CD-ROM), Williams, D.A., A.H. Wilson, and R. Greeley.
740. 1999, Volcanoes and flows on Europa? Evidence for cryovolcanism from latest Galileo imaging results, *Eos, Spring AGU, 80*, S210, Williams, D.A., J.E. Klemaszewski, S.A. Fagents, R. Greeley, L.M. Prockter, and the Galileo SSI Team.
741. 1999, Laboratory measurements of radar signal attenuation in sand, presented at the *13th Intl. Conf. on Appl. Geologic Remote Sensing*, Vancouver, BC, March 1-3, Williams, K.K. and R. Greeley.
742. 1999, Azimuthal variance in Crater Ejecta fragments: Galileo Europa imaging results, *Eos, Fall AGU, 80*, F606, Asphaug, E., B. Bierhaus, S. Brooks, C.R. Chapman, W.J. Merline, J. Moore, R. Greeley, J.E. Klemaszewski, and the Galileo SSI Team.
743. 1999, Implications of ultramafic compositions for explosive volcanism on Io, *Eos, Fall AGU, 80*, F625, Fagents, S.A., D.A. Williams, and R. Greeley.
744. 1999, Evidence for a complete rotation of Europa's crust from Galileo SSI data, *Eos, Fall AGU, 80*, F605, Figueredo, P.H., R. Greeley, and the Galileo SSI Team.
745. 1999, Degradation of impact crater ejecta blankets on Jupiter's moon Callisto, *Eos, Fall AGU, 80*, F607, Klemaszewski, J.E., R. Greeley, R. Wagner, J.M. Moore, P. Schenk, and the Galileo SSI Team.
746. 1999, Physical properties and emplacement of ultramafic lavas on Earth and Io, *Eos, Fall AGU, 80*, F639, Williams, D.A., R. Greeley, and L.P. Keszthelyi.
747. 1999, The formation of gray mottled terrain on Europa, *Eos, AGU Spring Mtg., 80*, S205, Klemaszewski, J.E., D.A. Williams, S.A. Fagents, R. Greeley, L. Prockter, R. Greenberg, G. Hoppa, B.R. Tufts, and the Galileo SSI Team.
748. 1999, The "Mitten": A possible cryovolcanic feature on Europa, *Geo. Soc. Am. Fall Mtg., 31*, A174, Chuang, F., P.H. Figueredo, R. Greeley, and R.L. Kirk.
749. 1999, Volcanism as a planetary process, *Geo. Soc. Am. Fall Mtg., 31*, A262, Greeley, R.

750. 1999, Jupiter's icy moon Callisto: Impact cratering, erosion, tectonism, and cryovolcanism, *Geo. Soc. Am. Fall Mtg.*, 31, A173, Klemaszewski, J., R. Greeley, F. Chuang, R. Wagner, J. Moore, and the Galileo SSI Team.
751. 1999, Mars 2001 landing sites of the Elysium Basin-Terra Cimmeria Region, Mars, *Geo. Soc. Am. 99 Fall Mtg.*, 31, A173, Nelson, D.M., J.D. Farmer, R. Greeley, H.P. Klein, and R.O. Kuzmin.
752. 1999, Planetary comparison: Jupiter's moon Europa and Earth, *NSTA, Western Area Conven., Reno, NV*, Klemaszewski, J.E., K. Homan and R. Greeley.
753. 2000, Europa as a target for exobiological exploration: Galileo considerations, *Astrobio. Sci. Conf.*, 1, p. 194, Greeley, R., C.P. McKay, and H.P. Klein.
754. 2000, Astrobiologic landing sites in the Elysium Basin-Terra Cimmeria region, Mars, *Astrobio. Sci. Conf.*, 1, p. 204, Nelson, D., J.D. Farmer, R. Greeley, H.P. Klein, and R.O. Kuzmin.
755. 2000, Geology of Europa revealed by images from the Galileo spacecraft, *Int. Geol. Congress*, 25-3, H25, Greeley, R.
756. 2000, Evidence for a complete rotation of Europa's crust from Galileo SSI data, *Int. Geol. Congress*, 25-3, H30, Figueredo, P.H., R. Greeley, and the Galileo SSI Team.
757. 2000, Crater controls on the fracturing and initial tectonic deformation on Ganymede, *Int. Geol. Congress*, 25-3, H31, Figueredo, P.H., R. Greeley, and the Galileo SSI Team.
758. 2000, Small crater populations on Callisto, *Lunar and Planetary Science, XXXI*, Abstract #1996, Lunar and Planetary Institute, Houston (CD-ROM), Bierhaus, E.B., C.R. Chapman, W.J. Merline, R. Greeley, J. Klemaszewski, and the Galileo Imaging Team.
759. 2000, Comparison of terrestrial aeolian rock textures to those at the Mars Pathfinder Landing site, *Lunar and Planetary Science, XXXI*, Abstract #2066, Lunar and Planetary Institute, Houston (CD-ROM), Bridges, N.T., R. Greeley, R.O. Kuzmin, and J.E. Laity.
760. 2000, Thermal erosion by laminar lava flows: New inferences, *Lunar and Planetary Science, XXXI*, Abstract #1038, Lunar and Planetary Institute, Houston (CD-ROM), Fagents, S.A., D.A. Williams, and R. Greeley.
761. 2000, Evidence for a cryovolcanic origin of Europa's 'Mitten' feature, *Lunar and Planetary Science, XXXI*, Abstract #1026, Lunar and Planetary Institute, Houston (CD-ROM), Figueredo, P.H., F.C. Chuang, R.L. Kirk, and R. Greeley.
762. 2000, Local variations in aeolian deposits in Melas Chasma, Mars, *Lunar and Planetary Science, XXXI*, Abstract #1024, Lunar and Planetary Institute, Houston (CD-ROM), Figueredo, P.H. and R. Greeley.
763. 2000, Europa's leading hemisphere: Geologic history and implications for global models, *Lunar and Planetary Science, XXXI*, Abstract #1025, Lunar and Planetary Institute, Houston (CD-ROM), Figueredo, P.H., R. Greeley, and the Galileo SSI Team.
764. 2000, The ASU global lava tube database: A new and expanding resource, *Lunar and Planetary Science, XXXI*, Abstract #2103, Lunar and Planetary Institute, Houston (CD-ROM), Kadel, S. and R. Greeley.

765. 2000, Order from Chaos: Determining Regional Ice Lithosphere Thickness Variations on Europa Using Isostatic Modeling of Chaos Regions, *Lunar and Planetary Science, XXXI*, Abstract #2091, Lunar and Planetary Institute, Houston (CD-ROM), Kadel, S.D., R. Greeley, and the Galileo Solid State Imaging Team.
766. 2000, Model assessment and refinement of multiring structures on Callisto from Galileo SSI data analysis, *Lunar and Planetary Science, XXXI*, Abstract #2064, Lunar and Planetary Institute, Houston (CD-ROM), Klemaszewski, J.E. and R. Greeley.
767. 2000, Wind-related modification of the meteorite crater morphology as key to wind regime history on Mars, *Lunar and Planetary Science, XXXI*, Abstract #1643, Lunar and Planetary Institute, Houston (CD-ROM), Kuzmin, R.O., R. Greeley, S. Rafkin, and R. Haberle.
768. 2000, Isidis Rim, Mars, as a potential site for astrobiology, *Lunar and Planetary Science, XXXI*, Abstract #1232, Lunar and Planetary Institute, Houston (CD-ROM), Nelson, D.M., J.D. Farmer, and R. Greeley.
769. 2000, Potential ancient fluvial deposits at the Amenthes Rupes paleolake, Mars, *Lunar and Planetary Science, XXXI*, Abstract #1158, Lunar and Planetary Institute, Houston (CD-ROM), Nelson, D.M., R. Greeley, J.D. Farmer, R.O. Kuzmin, and H.P. Klein.
770. 2000, Galileo observations of Callisto's opposition effect, *Lunar and Planetary Science, XXXI*, Abstract #1195, Lunar and Planetary Institute, Houston (CD-ROM), Noe, E.Z., P. Helfenstein, J. Krupnick, J. Veverka, J. Klemaszewski, R. Greeley, H. Breneman, M.J.S. Belton, and the Galileo Imaging Team.
771. 2000, Results of the imager for Mars Pathfinder windsock experiment, *Lunar and Planetary Science, XXXI*, Abstract #1853, Lunar and Planetary Institute, Houston (CD-ROM), R. Sullivan, M. Golombek, R. Greeley, K. Herkenhoff, M. Kraft, J. Murphy, P. Smith, and G. Wilson.
772. 2000, Callisto during the Galileo Europa Mission (GEM) I: Geology and stratigraphy of the C20 target areas, *Lunar and Planetary Science, XXXI*, Abstract #1826, Lunar and Planetary Institute, Houston (CD-ROM), Wagner, R.J., U. Wolf, G. Neukum, R. Greeley, J.E. Klemaszewski, and the Galileo SSI Team.
773. 2000, Callisto during the Galileo Europa Mission (GEM) II: Geology and stratigraphy of the C21 target area, *Lunar and Planetary Science, XXXI*, Abstract #1955, Lunar and Planetary Institute, Houston (CD-ROM), Wagner, R.J., U. Wolf, G. Neukum, R. Greeley, J.E. Klemaszewski, and the Galileo SSI Team.
774. 2000, A reassessment of the emplacement and erosional potential of turbulent, low-viscosity lavas on the moon, *Lunar and Planetary Science, XXXI*, Abstract #1102, Lunar and Planetary Institute, Houston (CD-ROM), Williams, D.A., S.A. Fagents, and R. Greeley.
775. 2000, Lava channels on Io: Latest Galileo imaging results, *Lunar and Planetary Science, XXXI*, Abstract #1723, Lunar and Planetary Institute, Houston (CD-ROM), Williams, D.A., R. Greeley, and the Galileo SSI Team.
776. 2000, Radar imaging of subsurface geology through sand: Analysis of penetration depth variables with implications for Mars exploration, *Lunar and Planetary Science, XXXI*,

- Abstract #1023, Lunar and Planetary Institute, Houston (CD-ROM), Williams, K.K. and R. Greeley.
777. 2000, Sulfur flows at Io's Emakong Patera?: evidence from Galileo SSI and numerical modeling, *Eos, Spring AGU*, 81, P31A-05, Williams, D.A., S.A. Fagents, R. Greeley, A.S. McEwen, L.P. Keszthely, and the Galileo Imaging Team.
778. 2000, Remotely-sensed geology from lander-based to orbital perspectives: results of FIDO rover field tests, *Concepts and Approaches for Mars Exploration Workshop*, LPI, Houston, Abstract # 6160, Jolliff, B., J. Moersch, A. Knoll, R. Morris, R. Arvidson, M. Gilmore, R. Greeley, K. Herkenhoff, H. McSween, and S. Squyres.
779. 2000, Mars aerobot missions, *Concepts and Approaches for Mars Exploration Workshop*, LPI, Houston, Abstract # 6032, Greeley, R., J.A. Cutts, R. Arvidson, J. Blamont, D.L. Blaney, J. Cameron, V. Kerzhanovich, I.S. Smith, and A. Yavrouian.
780. 2000, TMBM: Tethered micro-balloons on Mars, *Concepts and Approaches for Mars Exploration Workshop*, LPI, Houston, Abstract #6137, Sims, M.H., R. Greeley, J.A. Cutts, A.H. Yavrouian, and M. Murbach.
781. 2000, Electrical charging hazards originating from the surface (ECHOS): understanding the martian electro-meteorological environment, *Concepts and Approaches for Mars Exploration Workshop*, LPI, Houston, Abstract #6045, Farrell, W.M., M.D. Desch, J.R. Marshall, G.T. Delory, J.C. Kolecki, G.B. Hilliard, M.L. Kaiser, R.M. Haberle, A.P. Zent, J.G. Luhmann, R. Greeley, S.A. Cummer, D. Crisp, D.C. Catling, M.G. Buehler, G.W. Thomas, and D.D. Sentman.
782. 2000, Formation of pseudocraters on Earth and Mars, *Volcano/Ice Interaction on Earth and Mars Conf.*, p. 13, August 13-15, Univ. of Iceland, Fagents, S.A. and R. Greeley.
783. 2000, Ultrabasic lava flow morphologies on Earth and Io: similarities, differences, and outstanding problems, *GSA Abstracts with Programs*, 32, A-394, Williams, D.A. and R. Greeley.
784. 2000, Insight on the aeolian origin of Mars rock textures from terrestrial analogs, *Eos Transactions of the American Geophysical Union*, 81(48), *Fall Meet. Suppl.*, P62B-07, Bridges, N.T., J.E. Laity, R. Greeley, and R.O. Kuzmin.
785. 2000, Pseudocrater s as indicators of subsurface water on Mars, *Eos, Trans. AGU*, 81(48), *Fall Meeting Supplement*, F785, Fagents, S.A. and R. Greeley.
786. 2000, Pole-to-pole mapping of Europa's leading hemisphere: lineament orientation analysis and latitudinal distribution of units, *Eos, Trans. AGU*, 81(48), *Fall Meet. Suppl.*, Abstract P72A-17, Figueredo, P., J. Klemaszewski, K. Mrozek, V. Pugh, M. Machacek, D. Mongler, E. Dahm, C. Shaw, R. Greeley, and the Galileo SSI Team.
787. 2000, Modification of radar backscatter by sand: results from laboratory experiments and AIRSAR data, In *IEEE IGARSS 2000 Proceedings, IV*, 1516-1518, Williams, K.K. and R. Greeley.
788. 2000, Aerobotic multisonde mission to investigate the surface of Venus, *IEEE Aerospace Conf. Proceed.*, 7, 485-491, *IAA Low-cost Missions Conf.*, Kerzhanovich, V., J. Balaram, B. Campbell, J.A. Cutts, R. Gershman, R. Greeley, J.L. Hall, W. Zimmerman, and D. Hansen.

- 789.2001, Mars 2003: site priorities for astrobiology, *1st 2003 Mars Exploration Rovers Landing Site Selection Workshop*, Moffett Field, CA, January 24-25, LPI Cont. 1079, p. 20, Farmer, J., D. Nelson, R. Greeley, and R. Kuzmin.
- 790.2001, Eos Chasma as a potential site for the MER-A landing, *1st 2003 Mars Exploration Rovers Landing Site Selection Workshop*, Moffett Field, CA, January 24-25, LPI Cont. 1079, p. 47, Kuzmin, R.O., R. Greeley, D.M. Nelson, J.D. Farmer, and H.P. Klein.
- 791.2001, Durius Valles outflow basin, Mars: proposed site for MER-A, *1st 2003 Mars Exploration Rovers Landing Site Selection Workshop*, Moffett Field, CA, January 24-25, LPI Cont. 1079, p. 55, Nelson, D.M., J.D. Farmer, R. Greeley, R.O. Kuzmin, and H.P. Klein.
- 792.2001, Europa's 'Mitten': morphology, topography and surface evolution, *Lunar and Planetary Science, XXXII*, Abstract #1081, Lunar and Planetary Institute, Houston (CD-ROM), Figueredo, P.H., Chuang, F.C., Kirk, R.L., and R. Greeley.
- 793.2001, En Echelon ridge and trough structures on Europa, *Lunar and Planetary Science, XXXII*, Abstract #1091, Lunar and Planetary Institute, Houston (CD-ROM), Michalski, J., R. Greeley, and P.H. Figueredo.
- 794.2001, Evidence of strong change in seasonal wind pattern for Ultimi Lobe, southern polar layered deposits, Mars, *Lunar and Planetary Science, XXXII*, Abstract #1207, Lunar and Planetary Institute, Houston (CD-ROM), Neakrase, L.D.V., R. Greeley, and R.M. Haberle.
- 795.2001, Mapping of the Chaac-Camaxtli region of Io, *Lunar and Planetary Science, XXXII*, Abstract #1220, Lunar and Planetary Institute, Houston (CD-ROM), Williams, D.A., J. Radebaugh, L. Keszthelyi, D. Simonelli, A. McEwen, R. Lopes-Gautier, R. Greeley, and the Galileo SSI Team.
- 796.2001, Laboratory measurements of radar transmission through dust with implications for radar imaging on Mars, *Lunar and Planetary Science, XXXII*, Abstract #1264, Lunar and Planetary Institute, Houston (CD-ROM), Williams, K.K. and R. Greeley.
- 797.2001, Mars: an electronic field trip from mission planning to image interpretation, *Lunar and Planetary Science, XXXII*, Abstract #1362, Lunar and Planetary Institute, Houston (CD-ROM), Kadel, S.D. and R. Greeley.
- 798.2001, Modeling intrusive processes in Europa's ice lithosphere, *Lunar and Planetary Science, XXXII*, Abstract #1383, Lunar and Planetary Institute, Houston (CD-ROM), Fagents, S.A. and R. Greeley.
- 799.2001, Geological evidence for an ocean on Callisto, *Lunar and Planetary Science, XXXII*, Abstract #1818, Lunar and Planetary Institute, Houston (CD-ROM), Klemaszewski, J.E. and R. Greeley.
- 800.2001, Fractures, scarps, and linements on Callisto and their correlation with surface degradation, *Lunar and Planetary Science, XXXII*, Abstract #1838, Lunar and Planetary Institute, Houston (CD-ROM), Wagner, R., G. Neukum, R. Greeley, J.E. Klemaszewski, and the Galileo Imaging Team.
- 801.2001, Survivability of aggregate sands on Mars, *Lunar and Planetary Science, XXXII*, Abstract #1839, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R. and M.D.

- Kraft.
802. 2001, Europa's 'mitten': estimate of ice thickness using an elastic plate model, *Lunar and Planetary Science, XXXII*, Abstract #1848, Lunar and Planetary Institute, Houston (CD-ROM), Chuang, F.C., P.H. Figueredo, R.L. Kirk, and R. Greeley.
803. 2001, Volcanic pseudocraters on Mars: Icelandic analogs, *Lunar and Planetary Science, XXXII*, Abstract #1871, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R. and S.A. Fagents.
804. 2001, Proposed wind tunnel studies of ventifacts formation on Mars and Earth, *Lunar and Planetary Science, XXXII*, Abstract #1873, Lunar and Planetary Institute, Houston (CD-ROM), Bridges, N.T., R. Greeley, G.M. Kramer, J.E. Laity, J. Phoreman, B.R. White, and G.R. Wilson.
805. 2001, Martian dust devils: laboratory simulations, *Lunar and Planetary Science, XXXII*, Abstract #1888, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R., J.D. Iversen, G. Beardmore, B. Mickelson, and S. Metzger.
806. 2001, Application of terrestrial geomorphic threshold theory to the analysis of small channels on Mars, *Lunar and Planetary Science, XXXII*, Abstract #1921, Lunar and Planetary Institute, Houston (CD-ROM), Rosenshein, E.B., R. Greeley, and J.R. Arrowsmith.
807. 2001, Topography and aeolian features: dunes and streaks compared with global and meso scale wind predictions, *Lunar and Planetary Science, XXXII*, Abstract #2003, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R., S.C.R. Rafkin, R.M. Haberle, and R.O. Kuzmin.
808. 2001, Hydrologic history of south Elysium Basin-north Terra Cimmeria area, Mars, *Lunar and Planetary Science, XXXII*, Abstract #2069, Lunar and Planetary Institute, Houston (CD-ROM), Nelson, D.M., J.D. Farmer, and R. Greeley.
809. 2001, The Mars Exploration Program: goals, objectives, and investigations, *2nd NetLander Symposium*, April 2-4, Nantes, France, Greeley, R. and the Mars Exploration Payload Analysis Group.
810. 2001, Geology of Callisto: Galileo solid state imaging results, *Jupiter: Planet, Satellites and Magnetosphere Workshop*, June 25-30, Boulder, CO, p. 43, Greeley, R., J.E. Klemaszewski, C. Chapman, and the Galileo Imaging Team.
811. 2001, Callisto's crustal thickness estimates based on multiring strucute analysis, *Jupiter: Planet, Satellites and Magnetosphere Workshop*, June 25-30, Boulder, CO, p. 62, Klemaszewski, J.E., R. Greeley, and the Galileo Solid State Imaging Team.
812. 2001, Cratering and erosion on Caillisto: new insights, *Jupiter: Planet, Satellites and Magnetosphere Workshop*, June 25-30, Boulder, CO, p. 62, Klemaszewski, J.E., R. Greeley, and the Galileo Solid State Imaging Team.
813. 2001, Investigation of potential ultrabasic eruptions on Io: latest Galileo results, *Jupiter: Planet, Satellites and Magnetosphere Workshop*, June 25-30, Boulder, CO, p. 123, Williams, D.A., A.S. McEwen, R.M.C. Lopes-Gautier, A.G. Davives, L.P. Keszthelyi, R. Greeley, and the Galileo SSI and NIMS Teams.

814. 2001, Exploration of the Jovian satellites, *The National Space Society's 20th International Space Development Conference 2001*, Albuquerque, NM. (CD-ROM), Greeley, R.
815. 2001, Lava flows in the Chaac-Camaxtli region of Io: latest Galileo observations, *European Geophysical Society, 26th General Assembly*, Nice, France, Williams, D.A., R. Greeley and the Galileo SSI Team.
816. 2001, Rock abrasion and ventifact formation on Earth and Mars using wind tunnel studies, Abstract #28638, *GSA Fall, Boston*, Nov. 5-8, Bridges, N.T., J. Phoremans, R. Greeley, G. Kramer, J.E. Laity, B. White, and G. Wilson.
817. 2001, Impact produced and mobilized dust in the Martian atmosphere, *Eos, Transactions of the American Geophysical Union*, 82(47), *Fall Meeting Supplement*, F706, Nemtchinov, I.V., V. Shuvalov, and R. Greeley.
818. 2001, A laboratory scale vortex generator for simulation of Martian dust devils, *Eos, Transactions of the American Geophysical Union*, 82(47), *Fall Meeting Supplement*, F707, Blame, M., R. Greeley, B. Mickelson, G. Beardmore, and S. Metzger.
819. 2001, The Mars Exploration Program: scientific goals, objectives, investigations, and priorities, *Eos, Transactions of the American Geophysical Union*, 82(47), *Fall Meeting Supplement*, F717, Greeley, R., D.J. McCleese, and J. Garvin.
820. 2001, Erosion by flowing lava: Geochemical evidence in the Cave Basalt, Mount St. Helens, Washington, *Eos, Transactions of the American Geophysical Union*, 82(47), *Fall Meeting Supplement*, F1319, Williams, D.A., S.D. Kadel, R. Greeley, C.M. Leshner.
821. 2001, Dynamics of the Ljotipollur Phreatomagmatic eruption, S. Central Iceland, *Eos, Transactions of the American Geophysical Union*, 82(47), *Fall Meeting Supplement*, F1405, Fagents, S.A., D. McGarvie, and R. Greeley.
822. 2001, Galileo imaging observations of the Valhalla Antipode: support for a subsurface ocean on Callisto?, *Bull. Am. Astron. Soc.*, 33, p. 1100, Williams, D.A., J.E. Klemaszewski, F.C. Chuang, and R. Greeley.
823. 2001, Callisto's surface "activity" from highest-resolution Galileo imaging, *Bull. Am. Astron. Soc.*, 33, p. 1100, Klemaszewski, J.E., D.A. Williams, and R. Greeley.
824. 2001, Application of terrestrial geomorphic threshold theory to the analysis of small channels on Mars, *Lunar and Planetary Science Conference*, Abstract # 1921, Rosenheim, E.B., R. Greeley, J.R. Arrowsmith.
825. 2002, Eos Chasma and northeast Valles Marineris [Presentation]. *2nd 2003 Mars Exploration Rovers Landing Site Selection Workshop*, Pasadena, CA, October 17-18, 2001 [Online]. Website: http://marsoweb.nas.nasa.gov/landingsites/mer2003/doc/pasadena_01/schedule.html. Kuzmin, R.O., Greeley, R., Nelson, D., Farmer, J. & Klein, C. (2001).
826. 2002, Dust devils on Mars: Results from threshold tests using a vortex generator, *Lunar and Planetary Science Conference, XXXIII*, Abstract #1048, Lunar and Planetary Science Institute, Houston (CD-ROM), Balme, M., R. Greeley, B. Michelson, J. Iversen, G. Beardmore, D. Branson, and S. Metzger.

- 827.2002, Insights into Europa's resurfacing from geologic mapping of the trailing antijovian hemisphere, *Lunar and Planetary Science, XXXIII*, Abstract #1068, Lunar and Planetary Institute, Houston (CD-ROM), Figueredo, P. and R. Greeley.
- 828.2002, Mars: the morphological evidences of Late Amazonian water activity in Shalbatana Vallis, *Lunar and Planetary Science, XXXIII*, Abstract #1087, Lunar and Planetary Institute, Houston (CD-ROM), Kuzmin, R.O., R. Greeley, and D.M. Nelson.
- 829.**2002, Automating operational and science analysis processes with the Autonomous Sciencecraft Constellation, *Lunar and Planetary Science Conference, XXXIII*, Abstract #1130, Lunar and Planetary Science Institute, Houston (CD-ROM), Davies, A.G., R. Greeley, V. Baker, K.K. Williams, J. Dohm, R. Castanao, E. Mjolsness, J. Roden, T. Stough, S. Chien, R. Sherwood, P. Zetocha, and the ASC-Techsat 21 Team.
- 830.2002, High-resolution views of Io's Emakong Patera: latest Galileo imaging results, *Lunar and Planetary Science, XXXIII*, Abstract #1339, Lunar and Planetary Institute, Houston (CD-ROM), Williams, D.A., L.P. Keszthelyi, A.G. Davies, R. Greeley, J.W. Head, and the Galileo SSI Team.
- 831.2002, Mars polar wind streaks as sublimation-aided wind indicators, *Lunar and Planetary Science, XXXIII*, Abstract #1378, Lunar and Planetary Institute, Houston (CD-ROM), Neakrase, L.V.D., and R. Greeley.
- 832.2002, The study of martian and terrestrial rock abrasion from wind tunnel studies: preliminary results, *Lunar and Planetary Science Conference, XXXIII*, Abstract #1521, Lunar and Planetary Institute, Houston, (CD-ROM), Bridges, N.T., J. Phoreman, R. Greeley, J. Laity, B.R. White, and G.R. Wilson.
- 833.2002, Lenticulae of Europa: Geomorphic and geographic study, *Lunar and Planetary Science Conference, XXXIII*, Abstract #1581, Lunar and Planetary Institute, Houston, (CD-ROM), Sever, K.M. and R. Greeley.
- 834.2002, Origins of small volcanic cones on Mars, *Lunar and Planetary Science, XXXIII*, Abstract #1594, Lunar and Planetary Institute, Houston (CD-ROM), Fagents, S.A., K. Pace, and R. Greeley.
- 835.2002, High-temperature ultrabasic eruptions on Jupiter's moon Io: latest results from the Galileo mission and assessment of eruption styles, *GSA, 34(6)*, 192-1, Williams, D.A. and R. Greeley.
- 836.2002, Earth, Mars, and Venus: aeolian features and processes, Abstract #192-11, *GSA 34(6)*, 192-11, Greeley, R.
- 837.2002, Eos Chasma: Potential MER landing sites, *3rd 2003 Mars Exploration Rovers Landing Site Selection Workshop*, Pasadena, CA March 26th - 28th, (Online: http://marsoweb.nas.nasa.gov/landingsites/mer2003/doc/pasadena_02/program.html), Nelson, D., R. Greeley, and R.O. Kuzmin.
- 839.2002, Scientific strategy for the exploration of Mars, *Astrobiology Sci. Conf. 2002*, p. 11, April 7-11, 2002, Greeley, R.

840. 2002, Global geologic mapping of Europa: Considerations for future exploration, *Europa Focus Group Workshop 3*, Flagstaff, AZ (p. 15), Figueredo, P., R. Greeley, K. Tanaka, and D. Senske.
841. 2002, Field studies of very-near surface dust devil processes, *Eos Trans., AGU*, 83(47), Fall Meet. Suppl., Abstract #P51A-0341, Metzger, S.M., M. Balme, R. Greeley, T. Ringrose, and M. Towner.
842. 2002, Dust devil track occurrence in Argyre Planitia, *Eos. Trans., AGU* 83(47), Fall Meet. Suppl. Abstract #P51A-0343, Whelley, P.L., M. Balme, and R. Greeley.
843. 2002, Vortex threshold: experimental results at martian atmospheric pressures, *Eos Trans., AGU*, 83(47), Fall Meet. Suppl., Abstract #P51A-0344, Balme, M., R. Greeley, J. Phoreman, J. Iversen, g. Beardmore, B. Mickelson, and S. Metzger.
844. 2002, Lunar science missions in context of the Decadal Solar System Exploration Survey, *The Moon Beyond: Next Steps in Lunar Science and Exploration*, Abstract #3017, Taos, N.M., Pieters, C.M., M. Bullock, R. Greeley, B. Joliff, A. Sprague, and E. Stofan.
845. 2003, Potential habitats on Europa: geological assessment criteria, *NASA Astrobiology Gen Meet., Astrobiology*, 2, 4: 510-511, Figueredo, P.H., S. Neuer, L. Irwin, D. Schulze-Makuch, R. Greeley and M. Coon.
846. 2003, Regional geologic mapping of Io using Galileo spacecraft data, *35th DPS, Bull. Amer. Astro. Soc.*, 35, p. 911, Williams, D.A., L.P. Keszthelyi, E.P. Turtle, J. Radebaugh, W.L. Jaeger, M.P. Milazzo, A.S. McEwen, J.M. Moore, P.M. Schenk, R.M.C. Lopes, and R. Greeley.
847. 2003, Near-IR and visible wavelength imaging from a Venus descent vehicle, *35th DPS, Bull. Amer. Astro. Soc.*, 35, p. 1007, Bullock, M.A., D. Crisp, B.A. Campbell, and R. Greeley.
848. 2003, Autonomous volcanic activity detection with ASE on EO-1 Hyperion: applications for planetary missions, *35th DPS, Bull. Amer. Astro. Soc.*, 35, no 4, p. 1002, Davies, A.G., V. Baker, R. Castano, S. Chien, B. Chichy, T. Doggett, J. Dohm, R. Greeley, G. Rabideau, R. Sherwood, K. Williams, and the ASE Project Team.
849. 2003, The emerging resurfacing history of Europa from pole-to-pole geologic mapping, *Lunar and Planetary Science Conference, XXXIV*, Abstract #1017, Lunar and Planetary Institute, Houston (CD-ROM), Figueredo, P.H. and R. Greeley.
850. 2003, A tale of two deserts: The southwestern U.S. and Mars in the classroom, *Lunar and Planetary Science Conference, XXXIV*, Abstract #1020, Lunar and Planetary Institute, Houston (CD-ROM), Kadel, S.D., R. Greeley, and P.H. Figueredo.
851. 2003, Formation and sources of the Shalbatana Valley System, *Lunar and Planetary Science Conference, XXXIV*, Abstract #1062, Lunar and Planetary Institute, Houston (CD-ROM), Palmero, A., S. Sasaki, R.O. Kuzmin and R. Greeley.
852. 2003, Mapping of the Culann-Tohil region of Io, *Lunar and Planetary Science Conference, XXXIV*, Abstract #1176, Lunar and Planetary Institute, Houston (CD-ROM), Williams, D.A., E.P. Turtle, L.P. Keszthelyi, W.L. Jaeger, J. Radebaugh, M.P. Milazzo, A.S. McEwen, J.M. Moore, P.M. Schenk, R.M.C. Lopes and R. Greeley.

853. 2003, Scientific benefit of a Mars dust sample capture and Earth return with SCIM, *Lunar and Planetary Science Conference, XXXIV*, Abstract #1288, Lunar and Planetary Institute, Houston (CD-ROM), Leshin, L.A., B.C. Clark, L. Forney, S.M. Jones, A.J.G. Jurewicz, R. Greeley, H.Y. McSween Jr., M. Richardson, T. Sharp, M.Thiemens, M. Wadhwa, R.C. Wiens, A. Yen and M. Zolensky.
854. 2003, Autonomous sciencecraft experiment (ASE) test operations in 2003, *Lunar and Planetary Science Conference, XXXIV*, Abstract #1458, Lunar and Planetary Institute, Houston (CD-ROM), Chien, S., A.G. Davies, V. Baker, B. Castano, B. Cichy, T. Doggett, J.M. Dohm, R. Greeley, R. Sherwood and K. Williams.
855. 2003, Using overlapping MOC images to search for dune movement and to measure dune heights, *Lunar and Planetary Science Conference, XXXIV*, Abstract #1639, Lunar and Planetary Institute, Houston (CD-ROM), Williams, K.K., R. Greeley and J.R. Zimbelman.
856. 2003, Martian and Terrestrial rock abrasion from wind tunnel and field studies, *Lunar and Planetary Science Conference, XXXIV*, Abstract #1766, Lunar and Planetary Institute, Houston (CD-ROM), Bridges, T., R. Greeley, E. Eddlemon, J.E. Laity, C. Meyer, J. Poreman, and B.R. White.
857. 2003, Mars: Dust devil tracks in Hellas Basin and Argyre Planitia, *Lunar and Planetary Science Conference, XXXIV*, Abstract #1769, Lunar and Planetary Institute, Houston (CD-ROM), Whelley, P.L., M.R. Balme and R. Greeley.
858. 2003, Airborne radar study of Mars analogs in the Southwestern United States. *Lunar and Planetary Science Conference, XXXIV*, Abstract #1779, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R., T.C. Doggett, A.G. Davies, V. Baker, J. Dohm, P.A. Ferre, A. Hinnell, D. Rucker, T. Stough, K.K. Williams and G. Beardmore.
859. 2003, Shield volcano slope distributions: An approach for characterizing Martian volcanic provinces, *Lunar and Planetary Science Conference, XXXIV*, Abstract #1794, Lunar and Planetary Institute, Houston (CD-ROM), Bleacher, J.E. and R. Greeley.
860. 2003, Utilizing GIS in Martian impact crater studies, *Mars Crater Morphology Consortium, Planetary Mapping Workshop*, Lunar and Planetary Institute, Houston, Barlow, N.G., C.W. Barnes, O.S. Barnouin-Jha, J.M. Boyce, C.R. Chapman, F.M. Costard, R.A. Craddock, J.B. Garvin, R. Greeley, T.M. Hare, R.O. Kuzmin, P.J. Mouginis-Mark, H.E. Newsom, S.E.H. Sakimoto, S.T. Stewart and L.A. Soderblom.
861. 2003, Impact basins on Ganymede and Callisto and implications for the large-projectile size distribution, *Satellites and rings EGS/AGU/EUG, Geophys. Res. Abstracts*, 5, 11475, Wagner, R., G. Neukum, U. Wolf, R. Greeley and J.E. Klemaszewski.
862. 2003, Land of Extremes: Faulting and shear in Europa's north pole, *Eos Trans. AGU*, 84(46), Fall Meet. Suppl., Abstract P41A-0398, Figueredo, P.H., R. Greeley.
863. 2003, Vortex dust flux: experimental results comparing terrestrial and Martian cases, *Eos. Trans. AGU*, 84(46), Fall Meet. Suppl., Abstract P51C-0457, Neakrase, L.D.V., R. Greeley, E. Eddlemon, J. Iversen, M. Balme, G. Beardmore.
864. 2003, Streamlining spacecraft observation response to volcanic activity detection with a round and space-based sensor web system, *Eos. Trans. AGU*, 84(46), Fall Meet. Suppl.,

- Abstract V51F-0347, Davies, A.G., S. Chien, R. Wright, P. Cervelli, L. Flynn, V. Baker, R. Castano, B. Cichy, J. Dohm, T. Doggett, R. Greeley, R. Sherwood, K. Williams, S. Frye, J. Jones.
- 865.2003, Ground and space-based sensor web system: streamlining spacecraft observation response to flood detection, *Eos. Trans. AGU*, 84(46), Fall Meet. Supp., Abstract H22D-0967, Dohm, J.M., S. Chien, G. Brakenridge, V. Baker, R. Castano, B. Caquard, B. Cichy, A. Davies, T. Doggett, R. Greeley, S. Nghiem, R. Sherwood, K. Williams, D. Mandl, S. Ungar, S. Frye, J. Jones, So Grosvenor.
- 866.2003, Gusev Crater, Mars, as a landing site for the Mars Exploration Rover (MER) Project, *6th International Conference on Mars*, July 20-25, Abstract # 3286, Greeley, R.
- 867.2003, Studies of rock abrasion on Earth and Mars, *6th International Conference on Mars*, July 20-25, Abstract #3235, Bridges, N.T., J.E. Laity, R. Greeley, J. Phoreman, E.E. Eddlemon.
- 868.2003, Over two decades at mono domes: slow changes to potential analogs to martian aeolian bedforms, *Geo. Soc. Amer.*, 35, p. 265, Williams, S.H., J.R. Zimbelman, A.R. Peterfreund, and R. Greeley.
- 869.2004, Waves on seas of Mars and Titan: wind tunnel experiments on wind-wave generation in extraterrestrial atmospheres, *Lunar and Planetary Science Conference, XXXV*, Abstract #1038, Lunar and Planetary Institute, Houston(CD-ROM), Lorenz, R.D., E.R. Kraal, E.E. Eddlemon, J. Cheney, and R. Greeley.
- 870.2004, Europa's northern trailing hemisphere: lineament stratigraphic framework, *Lunar and Planetary Science Conference, XXXV*, Abstract #1118, Lunar and Planetary Institute, Houston(CD-ROM), Figueredo, P.H., T. Hare, E. Ricq, K. Strom, R. Greeley, K. Tanaka, and D. Senske.
- 871.2004, A close encounter with a terrestrial dust devil, *Lunar and Planetary Science Conference, XXXV*, Abstract #1259, Lunar and Planetary Institute, Houston(CD-ROM), Towner, M.C., T.J. Ringrose, M.R. Patel, M. Balme, S.M. Mezger, R. Greeley, and J.C. Zarnecki.
- 872.2004, Airborne radar study of soil moisture at a Mars analog site: Tohachi Wash/Little Colorado River, *Lunar and Planetary Science Conference, XXXV*, Abstract #1326, Lunar and Planetary Institute, Houston (CD-ROM), Doggett, T.C., R. Greeley, V. Baker, S. Chien, A.G. Davies, J.M. Dohm, T.P.A. Ferre, A. Hinnel, D. Rucker, and K. Williams.
- 873.2004, Preliminary lava tube-fed flow abundance mapping on Olympus Mons, *Lunar and Planetary Science Conference, XXXV*, Abstract #1378, Lunar and Planetary Institute, Houston (CD-ROM), Bleacher, J.E. and R. Greeley.
- 874.2004, Dust devils on Mars: scaling of dust flux based on laboratory simulations, *Lunar and Planetary Science Conference, XXXV*, Abstract #1395, Lunar and Planetary Institute, Houston (CD-ROM), Neakrase, L.D.V., R. Greeley, and J.D. Iversen.
- 875.2004, Mars Exploration Rovers: laboratory simulations of aeolian interactions, *Lunar and Planetary Science Conference, XXXV*, Abstract #1402, Lunar and Planetary Institute, Houston (CD-ROM), Neakrase, L.D.V., R. Greeley, and D. Foley.

- 876.2004, Martian dust devil tracks: inferred directions of movement, *Lunar and Planetary Science Conference, XXXV*, Abstract #1560, Lunar and Planetary Institute, Houston (CD-ROM), Whelley, P.T., R. Greeley, and L. Neakrase.
- 877.2004, Telling the tale of two deserts: teacher training and utilization of a new standards-based, bilingual E/PO product, *Lunar and Planetary Science Conference, XXXV*, Abstract #1614, Lunar and Planetary Institute, Houston (CD-ROM), Kadel, S.D., R. Greeley, and P.H. Figueredo.
- 878.2004, Mapping of the Zamama-Thor region of Io, *Lunar and Planetary Science Conference, XXXV*, Abstract #1685, Lunar and Planetary Institute, Houston (CD-ROM), Williams, D.A., L.P. Keszthelyi, P.M. Schenk, M.P. Milazzo, J.A. Rathbun, and R. Greeley.
- 879.2004, Autonomous sciencecraft experiment (ASE) operations on EO-1 in 2004, *Lunar and Planetary Science Conference, XXXV*, Abstract #1700, Lunar and Planetary Institute, Houston (CD-ROM), Davies, A.G., V. Baker, R. Castano, S. Chien, B. Cichy, T. Doggett, J.M. Dohm, R. Greeley, R. Lee, and R. Sherwood.
- 880.2004, High resolution laser scanning techniques for rock abrasion and texture analyses on Mars and Earth, *Lunar and Planetary Science Conference, XXXV*, Abstract #1897, Lunar and Planetary Institute, Houston (CD-ROM), Bridges, N.T., A. Razdan, R. Greeley, and J.E. Laity.
- 881.2004, Surface profiling of natural dust devils, *Lunar and Planetary Science Conference, XXXV*, Abstract #2063, Lunar and Planetary Institute, Houston (CD-ROM), Metzger, S.M., M. Balme, R. Greeley, T. Ringrose, M. Towner, and J. Zarnecki.
- 882.2004, Central Avra Valley storage and recovery project (CAVSARP) site, Tucson, Arizona: floodwater and soil moisture investigations with extraterrestrial applications, *Lunar and Planetary Science Conference, XXXV*, Abstract #2114, Lunar and Planetary Institute, Houston (CD-ROM), Rucker, D.F., J.M. Dohm, T.P.A. Ferre, F. Ip, V.R. Baker, A.G. Davies, R. Castano, S. Chien, B. Cichy, T.C. Doggett, R. Greeley, and R. Sherwood.
- 883.2004, ASE floodwater classifier development for EO-1 hyperion imagery, *Lunar and Planetary Science Conference, XXXV*, Abstract #2142, Lunar and Planetary Institute, Houston (CD-ROM), Ip, F., J.M. Dohm, V.R. Baker, T. Doggett, A.G. Davies, B. Castano, S. Chien, B. Cichy, R. Greeley, and R. Sherwood.
- 884.2004, Coordinated observations of aeolian features from the Mars Exploration Rovers (MER) and the Mars Express High Resolution Stereo Camera and other orbiters, *Lunar and Planetary Science Conference, XXXV*, Abstract #2162, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R., S.D. Thompson, P.L. Whelley, S. Squyres, G. Neukum, R. Arvidson, M. Malin, R. Kuzmin, P. Christensen, S. Rafkin, T. Michaels, P. Pinet, B. Joliff, N. Cabrol, L. Richter, E. Hauber, H. Hoffmann, and R. Jaumann.
- 885.2004, Spirit at Gusev crater: preliminary observations, potential processes and hypotheses, *Lunar and Planetary Science Conference, XXXV*, Abstract #2164, Lunar and Planetary Institute, Houston (CD-ROM), Cabrol, N.A. D. Des Marais, J. Farmer, L. Crumpler, E.A. Grin, K. Milam, J. Grant, R. Greeley, R.C. Anderson, J. Grotzinger, R. Arvidson, M.H. Sims, G. Landis, D. Blaney, Z.A. Learner, P.A. deSouza Jr., C. Weitz, and the Athena Science Team.

886. 2004, MER field geologic traverse in Gusev crater, Mars: initial results from the perspective of Spirit, *Lunar and Planetary Science Conference, XXXV*, Abstract #2183, Lunar and Planetary Institute, Houston (CD-ROM), Crumpler, L., N. Cabrol, D. Des Marais, J. Farmer, M. Golombek, J. Grant, R. Greeley, J. Grotzinger, L. Haskin, R. Arvidson, S. Squyres, Z. Learner, R. Li, M.B. Matsen, M. Malin, M. Payne, T. Parker, F. Seelos, M. Sims, P. deSouza Jr., A. Wang, C. Weitz, and the Athena Science Team.
887. 2004, Transient liquid water as a mechanism for induration of soil crusts on Mars, *Lunar and Planetary Science Conference, XXXV*, Abstract #2188, Lunar and Planetary Institute, Houston (CD-ROM), Landis, G.A., D. Blaney, N. Cabrol, B.C. Clark, J. Farmer, J. Grotzinger, R. Greeley, S.M. McLennan, L. Richter, A. Yen, and the MER Athena Science Team.
888. 2004, Gusev crater: direction of active winds derived from the Mars Exploration *Rover Rock Abrasion Tool*, *Eos, Trans. AGU*, 85(17), Abstract #P33B-06, Greeley, R., S. Gorevan, S. Thompson, P. Whelley, S. Squyres, R. Arvidson, and the Athena Science Team.
889. 2004, Airborne synthetic aperture radar study of soil moisture at Mars analogs, *Eos, Trans. AGU*, 85(17), Abstract #P52A-03, Doggett, T., R. Greeley, V. Baker, S. Chien, A. Davies, J. Dohm, T. Ferre, A. Hinnel, D. Rucker, and K. Williams.
890. 2004, A close encounter with a terrestrial dust devil, *EGU General Assembly 2004*, Abstract #02835, Towner, M.C., T.J. Ringrose, S.M. Metzger, M. Balme, R. Greeley, and J.C. Zarnecki.
891. 2004, Geology of Gusev Crater: initial results from the Mars Exploration Rover Spirit, *EGU General Assembly 2004*, Abstract #04484, Greeley, R., S. Squyres, R. Arvidson, N. Cabrol, M. Golombek, J. Grant, E. Grin, H. McSween, K. Milam, J. Moersch, K. Stockstill, S. Thompson, P. Whelley, A. Yen, and the MER Athena Science Team.
892. 2004, Mars: unusual Aeolian features of the wind-related modification of a small impact craters in Chryse Planitia, *EGU General Assembly 2004*, Abstract #07007, Kuzmin, R.O., I.V. Kuznetsov, and R. Greeley.
893. 2004, Mars: wind-related features seen by imaging from the Mars Exploration Rovers (MER) and the Mars Express Orbiter, *EGU General Assembly 2004*, Abstract #07929, Greeley, R., S. Thompson, P. Whelley, D. Williams, E. Kolb, S. Squyres, G. Neukum, R. Arvidson, M. Malin, R. Kuzmin, P. Christensen, S. Rafkin, T. Michaels, J. Rice, N. Cabrol, L. Richter, and the Athena, HRSC, THEMIS, and MOC Science Teams.
894. 2004, Science rationale for the Jupiter Icy Moons Orbiter mission, *EGU General Assembly 2004*, Abstract #07541, Johnson, T.V., and R. Greeley.
895. 2004, Aeolian abrasion, a dominant weathering agent in the martian environment, *2004 International Mars Conference*, Bridges, N.T., G. Cooper, E. Eddlemon, R. Greeley, J. Laity, J. Phoreman, A. Razdan, S. Van Note, B. White, and G. Wilson.
896. 2004, Seeing Mars with new eyes: latest results from the high resolution stereo camera on Mars Express, *GSA Annual Meeting*, 36, Abstract #80357, Williams, D.A., R. Greeley, G. Neukum, E. Hauber, J.W. Head, J.B. Murray, M. Patzold, and the HRSC Co-Investigator Team.

897. 2004, Unwrapping the whirlwind; measuring natural dust devils, *GSA Annual Meeting*, 36, Abstract # _____ (paper number 5-11), Metzger, S., M. Balme, W.M. Farrell, S. Fuerstenau, R. Greeley, J. Merrison, M. Patel, T. Ringrose, M. Towner, and J. Zarnecki.
898. 2004, Astrobiology and the Jupiter Icy Moons Orbiter (JIMO): results of the NASA science definition team, *Astrobiology Science Conference*, 4-5, Greeley, R. and T.V. Johnson.
899. 2004, Erosion by flowing martian lavas: insights from modeling constrained by MER and Mars Express data, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract #V33C-1474, Williams, D.A., R. Greeley, E. Hauber, G. Neukum, and The HRSC CoInvestigator Team.
900. 2004, Searching for active dust devils in Gusev Crater from Orbit by Mars express and the ground from Spirit, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract #P31B-0983, Whelley, P.L, R. Greeley, L.D. Neakrease, S.D. Thompson, D.J. Foley, G.A. Landis, S. Squyres, G. Neukum, The Athena Science Team, and The Mars Express HRSC Science Team.
901. 2004, Wind eroded Rocks in Gusev Crater, Mars, seen from the Mars Exploration Rover, Spirit, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract # P31B-0986, Thompson, S., R. Greeley, P. Whelley, S. Squyres, G. A. Landis, and The Athena Science Team.
902. 2004, Correlation of regional and global scale geology on Europa, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract #P31A-0963, Senske, D., R. Greeley, K. Tanaka, T. Hare, and E. Kolb.
903. 2004, On-board cryospheric change detection by the autonomous sciencecraft experiment, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract #C314-0312, Doggett, T., R. Greeley, R. Castano, B. Cichy, S. Chien, A. Davies, V. Baker, J. Dohm, and F. Ip.
904. 2004, Dust devils: experimental results for vortex sediment flux, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract #P31B-0982, Neakrease, L.D., R. Greeley, J. D. Iversen, M.R. Balme, D.J. Foley, and E. E. Eddlemon.
905. 2004, Aeolian abrasion, a dominant erosion agent in the Martian environment, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract #P21B-07, Bridges, N., G. Cooper, E. Eddlemon, R. Greeley, J. Laity, J. Phoreman, A. Razdan, S. Van Note, B. White, and G. Wilson.
906. 2004, Successful detection of floods in real time onboard EO1 through NASA's ST6 Autonomous Sciencecraft Experiment (ASE), *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract #H23D-1162, Ip, F., J.M. Dohm, V.R. Baker, R. Castano, B. Cichy, S. Chien, A. Davies, T. Doggett, and R. Greeley.
907. 2004, Olympus Mons Mars: inferred changes in late stage effusive activity based on Mars Express High Resolution Stereo Camera data, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract #V33C-1472, Bleacher, J. E., R. Greeley, D. A. Williams, G. Neukum, E. Hauber, and the HRSC Imaging Team.
908. 2004, Dark streaks on Mars: systematic mapping of geometric, surface properties and rate of Formation from HRSC, THEMIS and MOC images, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract #P22A-07, Baratoux, D., N. Mangold, P. Pinet, P. Masson, S. Chevrel, F. Forget, Y. Daydou, A. Jehl, G. Neukum, and R. Greeley.

- 909.2004, Resolving codependent processes within natural Dust devil Vortices, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract #P14-08, Mezger, S. M., M. Balme, W. M. Farrell, S. Fuerstenau, R. Greeley, J. Merrison, M. Patel, T. Ringrose, M. Towner, and J. Zarnecki.
- 910.2004, Wind Patterns at the Mars Exploration Rover (MER) sites inferred from Mars Express, HRSC, and MER images, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., abstract #P21B-05, Greeley, R., S. Thompson, P. Whelley, G. Neukum, S. Squyres, R.J. Sullivan, S.C. Rafkin, T. Micahels, M. P. Golombek, R. Arvidson, B. H. Foing, L. Richter, L. Rongxing, P. Pinet, HRSC Science Team, and the Athena Science Team.
- 911.2004, Aeolian Processes at Meridiani Planum, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract #P31B-0987, Watters, W. A., D. A. Fike, R. Greeley, J. P. Grotzinger, D.J. Jerolmack, M.C. Malin, L. Soderblom, S. Squyres, R. Sullivan, and S. Thompson.
- 912.2004, Aeolian environments observed by the Mars Exploration Rovers, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract # P218-04, Sullivan, R., D. Fike, M. Golombek, R. Greeley, J. Grotzinger, D. Jerolmack, G. Landis, M. Malin, L. Soderblom, S. Squyres, S. Thompson, W. Watters, and P. Whelley.
- 913.2005, Martian variable features: new insight from the Mars Express orbiter and the Mars Exploration Rover, Spirit, *1st Mars Express Science Conference*, 21-25 February, 2005 *ESTEC, The Netherlands*, p. 62, Greeley, R., D. Foley, D. Williams, P. Whelley, S. Thompson, L. Neakrase, S. Squyres, G. Neukum, R. Arvidson, A. Haldemann, and the HRSC Co-Investigator and Athena Teams.
- 914.2005, Erosion by flowing martian lavas: insights from modeling constrained by Mars Express and MER data, *1st Mars Express Science Conference*, 21-25 February. 2005, *ESTEC, The Netherlands*, p. 25, Williams, D.A., R. Greeley, E. Hauber, K. Gwinner, G. Neukum, and the HRSC Co-Investigator Team.
- 915.2005, Volcanic history of Hadriaca Patera constrained by HRSC data, *1st Mars Express Science Conference*, 21-25 February. 2005, *ESTEC, The Netherlands*, p. 167, Williams, D.A., R. Greeley, W. Zuschneid, G. Neukum, and the HRSC Co-Investigator Team.
- 916.2005, Strategies for the global geologic mapping of Io, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1150, Lunar and Planetary Institute, Houston (CD-ROM), Williams, D.A., and R. Greeley.
- 917.2005, Dust devil tracks on Mars: observations and analysis from orbit and the surface, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1162, Lunar and Planetary Institute, Houston (CD-ROM), Foley, D.J., P.L. Whelley, R. Greeley, L.D.V. Neakrase.
- 918.2005, Aeolian processes at the Mars Exploration Rover Opportunity landing site, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1942, Lunar and Planetary Institute, Houston (CD-ROM), Sullivan, R., J.F. Bell III, W. Calvin, D. Fike, M. Golombek, R. Greeley, J. Grotzinger, K. Herkenhoff, D. Jerolmack, M. Malin, D. Ming, L.A. Soderblom, S.W. Squyres, S. Thompson, W.A. Watters, C. Weitz, A. Yen.
- 919.2005, Results of rover localization and topographic mapping for the 2003 Mars Exploration Rover mission, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1349, Lunar and Planetary Institute, Houston (CD-ROM), Li, R., S.W. Squyres, R.E. Arvidson, J. Bell, L. Crumpler, D.J. Des Marais, K. Di, M. Golombek, J. Grant, J. Guinn, R. Greeley, L. Kirk,

- M. Maimone, L.H. Matthies, M. Malin, T. Parker, M. Sims, L.A. Soderblom, J. Wang, W.A. Watters, P. Whelley, F. Xu, and the Athena Science Team.
920. 2005, Seeing the soils of Meridiani Planum through the eyes of PANCAM and Microscopic Imager, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1362, Lunar and Planetary Institute, Houston (CD-ROM), Weitz, C.M., R.C. Anderson, J.F. Bell III, N.A. Cabrol, W.M. Calvin, B.L. Ehlmann, W.H. Farrand, R. Greeley, K.E. Herkenhoff, J.R. Johnson, B.L. Jolliff, R.V. Morris, L.A. Soderblom, S.W. Squyres, and R.J. Sullivan.
921. 2005, Oylmpus Mons: inferred changes in late stage effusive activity based on lava flow mapping of Mars Express High Resolution Stereo Camera data, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1364, Lunar and Planetary Institute, Houston (CD-ROM), Bleacher, J.E., R. Greeley, D.A. Williams, M. Bentley, G. Neukum, E. Hauber, and the HRSC Co-Investigator Team.
922. 2005, Maximizing mission science return through use of spacecraft autonomy: active volcanism and the autonomous sciencecraft experiment, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1445, Lunar and Planetary Institute, Houston (CD-ROM), Davies, A.G., S. Chien, V. Baker, R. Castano, B. Cichy, T. Doggett, J.M. Dohm, R. Greeley, F. Ip, g. Rabideau, R. Sherwood, and D. Tran.
923. 2005, Hadriaca Patera: volcanic history derived from HRSC-based crater counts, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1470, Lunar and Planetary Institute, Houston (CD-ROM), Williams, D.A., and R. Greeley.
924. 2005, Climate change from the Mars Exploration Rover landing sites: from wet in the Noachian to dry and desiccating since the Hesperian, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1539, Lunar and Planetary Institute, Houston (CD-ROM), Golombek, M.P., J.A. Grant, L.S. Crumpler, R. Greeley, R.E. Arvidson, and the Athena Science Team.
925. 2005, New insights for the formation of slope streaks on Mars from a systematic mapping uusing Mars Express HRSC data: a dry granular avalance controlled by wind-transported dust, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1599, Lunar and Planetary Institute, Houston (CD-ROM), Baratoux, D., N. Mangold, P. Pinet, F. Forget, P. Masson, S. Chevrel, Y. Daydou, A. Jehl, R. Greeley, G. Neukum, and the HRSC Co-Investigator Team.
926. 2005, Amphitrites Patera studied from the Mars Express HRSC data, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1664, Lunar and Planetary Institute, Houston (CD-ROM), Aittola, M. V.P. Kostama, J. Raitala, J. Korteniemi, R. Greeley, D. Williams, E. Habuer, G. Neukum, and the HRSC Co-Investigator Team.
927. 2005, Mars Express Imaging Photometry and surface geologic processes at Mars: what can be monitored within Gusev crater?, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1721, Lunar and Planetary Institute, Houston (CD-ROM), Pinet, P.C., A. Cord, A. Jehl, Y.D. Daydou, S.C. Chevrel, D. Baratoux, R. Greeley, D.A. Williams, G. Neukum, and the Mars Express HRSC Co-Investigator Team.
928. 2005, Evolutionary history of Gusev – the MER landing site – seen by MEX-HRSC, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1777, Lunar and Planetary Institute,

- Houston (CD-ROM), Werner, S.C., B.A. Ivanov, G. Neukum, M. van Kan, T.E. Zegers, B. Foing, R. Greeley, D. Williams, and the HRSC Co-Investigator Team.
929. 2005, Overview of Athena Microscopic imager results, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1778, Lunar and Planetary Institute, Houston (CD-ROM), Herkenhoff, K., S. Squyres, R. Arvidson, D. Bass, J. Bell III, P. Bertelsen, N. Cabrol, B. Ehlmann, W. Farrand, L. Gaddis, R. Greeley, J. Grotzinger, A. Hayes, S. Hviid, J. Johnson, B. Joliff, K. Kinch, A. Knoll, M. Lemmon, M. Madsen, J. Maki, S. McLennan, D. Ming, R. Morris, J. Rice, L. Richter, M. Sims, P. Smith, L. Soderblom, N. Spanovich, R. Sullivan, C. Weitz, and the Athena Science Team.
930. 2005, Wind-related erosion depressions within a small impact craters in Chryse and Elysium Planitia on Mars, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1810, Lunar and Planetary Institute, Houston (CD-ROM), Kuznetsov, I.V., R.O. Kuzmin, and R. Greeley.
931. 2005, Dust devils on Mars: effects of surface roughness on particle threshold, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1857, Lunar and Planetary Institute, Houston (CD-ROM), Neakrase, L.D.V., R. Greeley, J. Iversen, M.L. Balme, D.J. Foley, and E.E. Eddlemon.
932. 2005, Hecates Tholus, Mars: Nighttime aeolian activity suggested by thermal images and mesoscale atmospheric model simulations, *Lunar and Planetary Science Conference, XXXVI*, Abstract #1898, Lunar and Planetary Institute, Houston (CD-ROM), Neakrase, L.D.V., R. Greeley, D.A. Williams, D. Reiss, T.I. Michaels, S.C.R. Rafkin, G. Neukum, and the HRSC Team.
933. 2005, Fluid lava flows in Gusev crater, Mars, *Lunar and Planetary Science Conference, XXXVI*, Abstract #2094, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R., D.A. Williams, G. Neukum, S.C. Werner, T. Zegers, B.H. Foing, M. van Kan, P.D. Lanagan, P. Pinet, and the Mars Express HRSC Team.
934. 2005, Mars: recent and episodic volcanic, hydrothermal, and glacial activity revealed by the Mars Express High Resolution Stereo Camera (HRSC), *Lunar and Planetary Science Conference, XXXVI*, Abstract #2144, Lunar and Planetary Institute, Houston (CD-ROM), Neukum, G., R. Jaumann, H. Hoffmann, E. Hauber, J.W. Head, A.T. Basilevsky, B.A. Ivanov, S.C. Werner, S. van Gasselt, J.B. Murray, T. McCord, R. Greeley, and the HRSC Co-Investigator Team.
935. 2005, Monitoring floods with NASA's ST6 Autonomous Sciencecraft Experiment: implications on planetary exploration, *Lunar and Planetary Science Conference, XXXVI*, Abstract #2263, Lunar and Planetary Institute, Houston (CD-ROM), Ip, F., J.M. Dohm, V.R. Baker, B. Castano, S. Chien, B. Cichy, A.G. Davies, T. Doggett, R. Greeley, and R. Sherwood.
936. 2005, Characterization of non-organized soils at Gusev crater with the Spirit rover data, *Lunar and Planetary Science Conference, XXXVI*, Abstract #2328, Lunar and Planetary Institute, Houston (CD-ROM), Cabrol, N.A., R. Greeley, and the Athena Science Team.
937. 2005, The Europa Focus Group, *Astrobiology*, 5, p. 177, Abstract #1074, NASA Astrobiology Institute, April 10-14, Boulder, CO, Greeley, R.

938. 2005, Lava tubes as targets for astrobiological exploration, *Astrobiology*, 5, p. 308, Abstract #671, NASA Astrobiology Institute, April 10-14, Boulder, CO, Greeley, R. and W. Halliday.
939. 2005, Orbital imaging photometry and surface geologic processes within Gusev, *Geophys. Res. Abs.*, 7, European Geosciences Union, Abstract #09363, Pinet, P.C., A. Cord, A. Jehl, Y. Daydou, S. Chevrel, D. Baratoux, R. Greeley, G. Neukum, J.F. Bell, MEx/HRSC Co-I Team and MER/Athena Science Team.
940. 2005, The contribution of HRSC data to the determination of the slope streaks formation mechanism, *Geophys. Res. Abs.*, 7, European Geosciences Union, Abstract #08913, Baratoux, D., N. Mangold, P. Pinet, F. Forget, P. Masson, S. Chevrel, Y. Daydou, A. Jehl, R. Greeley, G. Neukum, and the HRSC Co-Investigator Team.
941. 2005, Development of fluvial activity at Dao Vallis, Niger Vallis, and Hadriaca Patera as derived from HRSC image data, *Geophys. Res. Abs.*, 7, European Geosciences Union, Abstract #08664, Zuschneid, W., G. Neukum, S.C. Werner, R. Greeley, D. Williams, and The HRSC Co-Investigator Team.
942. 2005, Insights into the volcanic histories of Hadriaca and Tyrrhena Paterae derived from Mars Express HRSC data, *Geophys. Res. Abs.*, 7, European Geosciences Union, Abstract #05831, Williams, D., R. Greeley, W. Zuschneid, S. Werner, G. Neukum, J. Raitala, and the HRSC Co-Investigator Team.
943. 2005, Diversity of the Martian surface photometric properties, *Geophys. Res. Abs.*, 7, European Geosciences Union, Abstract #09411, Jehl, A., P. Pinet, A. Cord, Y. Daydou, D. Baratoux, S. Chevrel, R. Greeley, D.A. Williams, M.A. Kreslavsky, G. Neukum, and the HRSC CO-Investigator Team.
944. 2005, Geological exploration of the Jupiter system, *GSA Spec. Meeting, Earth System Processes 2*, 8-11 August, Calgary, Alberta, Canada, Abstract # 39-2, Greeley, R.
945. 2005, Dust devil studies on Mars analog arid surfaces, *GSA Abstracts with Programs*, 37(7), Abstract #22-6, Metzger, S., B.J. Bos, S.D. Fuerstenau, M. Balme, W.M. Farrell, R. Greeley, T. Ringrose, and M. Towner.
946. 2005, Evolution of effusive style at Pavonis Mons, Mars, Inferred from lava flow mapping of Mars Express High Resolution Stereo Camera data, *GSA Abstracts with Programs*, 37(7), Abstract #36-12, Bleacher, J.E., R. Greeley, S.R. Cave, D.A. Williams, S.C. Werner, G. Neukum, and R. Jaumann.
947. 2005, Basaltic "plains-style" volcanism in southwestern Arizona as a possible planetary analogue, *GSA Abstracts with Programs*, 37(7), Abstract #241-7, Cave, S.R., R. Greeley, and J.E. Bleacher.
948. 2005, Latiudinal dependency of dust devils on Mars, Whelley, P.L., and R. Greeley, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract P13B-0146.
949. 2005, Dust devils on Earth and Mars: comparison of field and laboratory results for sediment flux, Neakrase, L.D., R. Greeley, J.D. Iversen, M.T. Lemmon, G.A. Landis, D.J. Foley, S.D. Thompson, P.L. Whelley, E.E. Eddlemon, and the Athena Science Team, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract P13B-0147.

950. 2005, Energy transfer of saltating sand onto rock surface on Earth and Mars: implications for rock morphology and abrasion rates, Bridges, N.T., J. Phoreman Jr., B.R. White, R. Greeley, E.E. Eddlemon, G. Wilson, and C. Meyer, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract P13B-0151.
951. 2005, Comparing the late stage effusive histories of Olympus, Pavonis, and Arsia Montes, Mars, inferred from lava flow abundance mapping of Mars Express HRSC Data, Bleacher, J.E., R. Greeley, D.A. Williams, G. Neukum, and the HRSC Co-Investigator Team, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract P21B-0147.
952. 2005, Insights into highland patera volcanism using Mars Express HRSC data, Williams, D.A., R. Greeley, W. Zuschneid, S. Werner, G. Neukum, K. Gwinner, E. Hauber, D.A. Crown, T.K. Gregg, J. Raitala, and the HRSC Co-Investigator Team, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract P13B-0152.
953. 2005, Basaltic "plains-style" volcanism in Arizona as a possible analogue to Mars, Cave, S.R., R. Greeley, and J.E. Bleacher, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract P23A-0178.
954. 2005, Revolutionising science-driven deep space mission operations using Autonomously-Operating Spacecraft as demonstrated with ASE on EO-1, Davies, A.G., S. Chien, T.C. Doggett, F. Ip, J. Dohm, R. Greeley, V. Baker, R. Castano, R. Sherwood, and K. Wagstaff, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract P41A-0924.
955. 2005, Polar Gateways to Exploration of icy worlds in the Solar System, Cooper, J.F., R.F. Benson, R.A. Bindschadler, J.W. Mitchell, R.E. Streitmatter, J.L. Green, D. Bilitza, C. Ng, R. Greeley, B.W. Reinisch, P.S. Gogineni, J.M. Clem, and R.E. Johnson, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract SM21A-0354.
956. 2005, Progress in geologic mapping of Europa. K.L. Tanaka, P.H. Figueredo, R. Greeley, T.M. Hare, K.F. Mullins, D.A. Senske, and E.J. Kolb. *Planetary Geology Mappers Meeting, June 23-25, National Air and Space Museum, U.S. Geological Survey Open-file Report 2005-1271.*
957. 2005, Flank volcanism on Pavonis Mons, Mars revealed by HRSC on Mars Express, 37th DPS Meeting, Cambridge, UK September 4-9, Greeley, R., J.E. Bleacher, S.R. Cave, D.A. Williams, S.C. Werner, G. Neukum, HRSC Co-Investigator Team.
958. 2006, Detectability of cryo-volcanism with thermal infrared spectroscopy, *Europa Focus Group Workshop, 5*, NASA-Ames Research Center, February 27-28, p. 31-32, Doggett, T.C., A.G. Davies, and R. Greeley.
959. 2006, Europa exploration: challenges and solutions, *Europa Focus Group Workshop, 5*, NASA-Ames Research Center, February 27-28, p. 61-62, Johnson, T.V., K.B. Clark, R. Greeley, and R.T. Pappalardo.
960. 2006, ISIS: imaging spectrometer for icy satellites, *Europa Focus Group Workshop, 5*, NASA-Ames Research Center, February 27-28, p. 91-93, Murchie, S., K. Cooper, E.H. Darlington, D. Domingue, F. Morgan, R. Greeley, C. Paranicas, L. Prockter, D. Roth, T. Roush, K. Strohhahn, P. Thompson, and M. Wirzburger.

961. 2006, Comparison of effusive volcanism at Olympus, Arsia, Pavonis, and Ascraeus Montes, Mars from lava flow mapping using Mars Express HRSC data, *Lunar and Planetary Science Conference, XXXVII*, Abstract #1182, Lunar and Planetary Institute, Houston (CD-ROM), Bleacher, J.E., R. Greeley, D.A. Williams, G. Neukum and the HRSC Co-Investigator Team.
962. 2006, Dust devils on Earth and Mars: extension of particle threshold laboratory simulations, *Lunar and Planetary Science Conference, XXXVII*, Abstract #1196, Lunar and Planetary Institute, Houston (CD-ROM), Neakrase, L.D.V., R. Greeley, F.L. Haan, Jr., P. Sarkar, J.D. Iversen, M.R. Balme, and E.E. Eddlemon.
963. 2006, Improved surface photometric mapping across Gusev and Apollinaris from an HRSC / Mars Express integrated multi-orbit dataset: implication on Hapke parameters determination, *Lunar and Planetary Science Conference, XXXVII*, Abstract #1219, Lunar and Planetary Institute, Houston (CD-ROM), Jehl, A., P.C. Pinet, A. Cord, Y.D. Daydou, D. Baratoux, S.C. Chevrel, N. Manaud, R. Greeley, M.A. Kreslavsky, J. Raitala, H. Hoffmann, K. Gwinner, F. Scholten, T. Roatsch, R. Jaumann, G. Neukum, and The Mars Express HRSC Co-Investigator Team.
964. 2006, Mars Express/HRSC Imaging Photometry and MER Spirit/Pancam in situspectrophotometry within Gusev, *Lunar and Planetary Science Conference, XXXVII*, Abstract #1220, Lunar and Planetary Institute, Houston (CD-ROM), Pinet, P.C., A. Jehl, A. Cord, Y.D. Daydou, D. Baratoux, S.C. Chevrel, N. Manaud, R. Greeley, H. Hoffmann, K. Gwinner, F. Scholten, T. Roatsch, R. Jaumann, G. Neukum, J.F. Bell, R.E. Arvidson, J.R. Johnson, S.W. Squyres, the Mars Express HRSC Co-Investigator Team and the MER Science Team.
965. 2006, Tyrrhena Patera: volcanic history derived from HRSC-based crater counts, *Lunar and Planetary Science Conference, XXXVII*, Abstract #1306, Lunar and Planetary Institute, Houston (CD-ROM), Williams, D.A., R. Greeley, S. Werner, G. Neukum, D.A. Crown, T.K.P. Gregg, K. Gwinner, J. Raitala, and the HRSC Co-Investigator Team.
966. 2006, Aeolian particle transport as a function of spacecraft design: an experimental study of potential forward contamination, *Lunar and Planetary Science Conference, XXXVII*, Abstract #1385, Lunar and Planetary Institute, Houston (CD-ROM), Abel, M.F., D.J. Foley, L.D.V. Neakrase, R. Greeley, E.E. Eddlemon, and P. Shakkottai.
967. 2006, Geology of the Gusev cratered plains from the Spirit rover traverse, *Lunar and Planetary Science Conference, XXXVII*, Abstract #1424, Lunar and Planetary Institute, Houston (CD-ROM), Golombek, M.P., L.S. Crumpler, J.A. Grant, R. Greeley, N.A. Cabrol, T.J. Parker, J.W. Rice Jr., J.G. Ward, R.E. Arvidson, J.E. Moersch, R.L. Ferguson, P.R. Christensen, A. Castaño, R. Castaño, A.F.C. Haldemann, R. Li, J.F. Bell III, and S.W. Squyres.
968. 2006, Europa exploration: challenges and solutions, *Lunar and Planetary Science Conference, XXXVII*, Abstract #1459, Lunar and Planetary Institute, Houston (CD-ROM), Johnson, T.V., K.B. Clark, R. Greeley, and R.T. Pappalardo.
969. 2006, Overview of Athena Microscopic Imager results, *Lunar and Planetary Science Conference, XXXVII*, Abstract #1816, Lunar and Planetary Institute, Houston (CD-ROM),

- Herkenhoff, K., S. Squyres, R. Arvidson, J. Bell III, N. Cabrol, M. Chapman, B. Ehlmann, B. Franklin, L. Gaddis, P. Geissler, R. Greeley, J. Grotzinger, J. Johnson, B. Jolliff, L. Keszthelyi, A. Knoll, P. Lanagan, E. Lee, J. Maki, S. McLennan, D. Ming, K. Mullins, J. Rice, L. Richter, M. Sims, L. Soderblom, N. Spanovich, R. Springer, R. Sucharski, R. Sullivan, C. Weitz, and the Athena Science Team.
970. 2006, ISIS: Imaging Spectrometer for Icy Satellites, *Lunar and Planetary Science Conference, XXXVII*, Abstract #1821, Lunar and Planetary Institute, Houston (CD-ROM), Murchie, S., K. Cooper, E.H. Darlington, D. Domingue, F. Morgan, R. Greeley, C. Parnicas, L. Prockter, D. Roth, T. Roush, K. Strohbehn, P. Thompson, and M. Wirzburger.
971. 2006, Dust and sand deposition on the MER solar arrays as viewed by the microscopic imager, *Lunar and Planetary Science Conference, XXXVII*, Abstract #1932, Lunar and Planetary Institute, Houston (CD-ROM), Landis, G.A., K. Herkenhoff, R. Greeley, S. Thompson, P. Whelley, and the MER Athena Science Team.
972. 2006, Investigations into dust charging and transport in martian and terrestrial dust devils, *Lunar and Planetary Science Conference, XXXVII*, Abstract #1983, Lunar and Planetary Institute, Houston (CD-ROM), Desch, S.J., G.R. Wilson, B. Perret, L.D.V. Neakrase, and R. Greeley.
973. 2006, Feature detection onboard Mars rovers: automated cloud and dust devil detection, *Lunar and Planetary Science Conference, XXXVII*, Abstract #2059, Lunar and Planetary Institute, Houston (CD-ROM), Castano, A., A. Fukunaga, R. Castano, S. Chien, R. Greeley, P. Whelley, L. Neakrase, and M. Lemmon.
974. 2006, Quantifying abrasion maturity using High Resolution Laser Scanning: preliminary quantitative results and applications to terrestrial and martian studies, *Lunar and Planetary Science Conference, XXXVII*, Abstract #2065, Lunar and Planetary Institute, Houston (CD-ROM), Bridges, N.T., R. Kushunapally, A. Razdan, A. Stone, J. Laity, R. Greeley, and D. Addleman.
975. 2006, Detectability of cryo-volcanism with thermal infrared spectroscopy, *Lunar and Planetary Science Conference, XXXVII*, Abstract #2243, Lunar and Planetary Institute, Houston (CD-ROM), Doggett, T.C., A.G. Davies and R. Greeley.
976. 2006, New insights into the geological evolution of Mars through the Mars Express High Resolution Stereo Camera (HRSC), *Lunar and Planetary Science Conference, XXXVII*, Abstract #2379, Lunar and Planetary Institute, Houston (CD-ROM), Neukum, G., A.T. Basilevskyy, S. van Gasselt, R. Greeley, E. Hauber, J.W. Head, H. Hoffmann, B.A. Ivanov, R. Jaumann, T.B. McCord, S. Preuschmann, S. Werner, D.A. Williams, U. Wolf, and the HRSC Co-Investigator Team.
977. 2006, The residual ice cap of Planum Australe, Mars: new insights from the HRSC experiment, *Lunar and Planetary Science Conference, XXXVII*, Abstract #2408, Lunar and Planetary Institute, Houston (CD-ROM), Kolb, E.J., K. Tanaka, R. Greeley, G. Neukum and the HRSC Co-Investigator Team.
978. 2006, Cryosphere change detection with the Autonomous Sciencecraft Experiment, *Eos Trans. AGU*, 87(36), Jt. Assem. Suppl., Abstract IN43A-02, Doggett, T.C., R. Greeley, R. Castano, S. Chien, A.G. Davies.

979. 2006, Active dust devils in Gusev crater, Mars: observations from the Mars Exploration Rover, *Spirit*, *European Planetary Science Congress*, Berlin, Germany, 18-22 September, Abstract # EPSC2006-A-00349, Greeley, R., P.L. Whelley, R.E. Arvidson, N.A. Cabrol, D.J. Foley, B.J. Franklin, P.G. Geisslere, M.P. Golombek, R.O. Kuzmin, G.A. Landis, M.T. Lemmon, L.D.V. Neakrase, S.W. Squyres, and S.D. Thompson.
980. 2006, Style of Amazonian effusive volcanism at Olympus Mons and the Tharsis Montes, Mars, inferred from lava flow mapping on HRSC images, *European Planetary Science Congress*, Berlin, Germany, 18-22 September, Abstract # EPSC2006-A-00191, Bleacher, J., D. Williams, R. Greeley, G. Neukum, and the HRSC Co-Investigator Team.
981. 2006, The geological evolution of Mars as seen through the Mars Express High Resolution Stereo Camera (HRSC), *European Planetary Science Congress*, Berlin, Germany, 18-22 September, Abstract # EPSC2006-A-00611, Neukum, G., A.T. Basilevsky, S. van Gasselt, R. Greeley, E. Hauber, J.W. Head, H. Hoffmann, B.A. Ivanov, R. Jaumann, T.B. McCord, S. Werner, D.A. Williams, U. Wolf, and the HRSC Co-I Team.
982. 2006, Fields of small shield volcanoes in the Tharsis region: Mars Express HRSC results, *European Planetary Science Congress*, Berlin, Germany, 18-22 September, Abstract # EPSC2006-A-00355, Greeley, R., J.E. Bleacher, S.R. Cave, D.A. Williams, S.C. Werner, and G. Neukum.
983. 2006, New insights into the Geological evolution of Mars through the Mars Express High Resolution Stereo Camera (HRSC), *AOGS Conference*, Suntec, Singapore, July, 2006, Abstract #59-PS-A1280 (CD-ROM), Neukum, G., A.T. Basilevsky, S. van Gasselt, R. Greeley, E. Hauber, J.W. Head, H. Hoffmann, B.A. Ivanov, R. Jaumann, T.B. McCord, S. Preuschmann, S. Werner, D.A. Williams, U. Wolf.
984. 2006, Europa exploration: challenges and solutions, *COSPAR Beijing*, Johnson, T., K. Clark, R. Greeley, R. Pappalardo, and J. Cutts.
985. 2006, Lava flow lengths and historic eruptive parameters: implications for the volcanic history of the Batamote Mountains, Ajo, Arizona, *Eos. Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract V53C-1758, Bowles, Z.R., A. Clarke, and R. Greeley.
986. 2006, Dust devil track density on Mars: a global map, *Eos. Trans., AGU*, 87(52), Fall Meet. Suppl., Abstract P31B-0126, Whelley, P.L. and R. Greeley.
987. 2006, Sub-millimeter rock surface texture as a measure of aeolian abrasion maturity, *Eos. Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract P31B-0124, Bridges, N.T., A. Razdan, S. Ali, R. Kushunapally, J.E. Laity, R. Greeley, and E.E. Eddlemon.
988. 2006, On-board cryosphere change detection with the Autonomous Sciencecraft Experiment, *Eos. Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract IN53A-0817, Doggett, T., R. Greeley, R. Castano, S. Chien, A. Davies, D. Tran, D. Mazzoni, V. Baker, J. Dohm, and F. Ip.
989. 2006, Autonomous detection of dust devils and clouds on Mars, *The International Conference on Image Processing 2006, paper 1534*, Castano, A., A. Fukunaga, J. Biesiadecki, L. Neakrase, P. Whelley, R. Greeley, M. Lemmon, R. Castano, and S. Chien.

990. 2007, Jupiter's Moon, Europa: gem of the solar system, *AAAS Annual Meet., 15-19 February, San Francisco, A46*, Greeley, R.
991. 2007, Geological evolution of Mangala Valles, Mars: analysis of the HRSC image H0286, *Lunar and Planetary Science Conference, XXXVIII*, Abstract #1079, Lunar and Planetary Institute, Houston (CD-ROM), Basilevsky, A.T., G. Neukum, S.C. Werner, S. van Gasselt, A. Dumke, W. Zuschneid, M. Chapman, and R. Greeley.
992. 2007, Morphometric characterization and comparison among the Tharsis Montes-related low shield and fissure vent fields, *Lunar and Planetary Science Conference, XXXVIII*, Abstract #1314, Lunar and Planetary Institute, Houston (CD-ROM), Bleacher, J.E., R. Greeley, D.A. Williams, and G. Neukum.
993. 2007, Amphirites and Peneus: new insight into highland paterae, *Lunar and Planetary Science Conference, XXXVIII*, Abstract #1373, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R., D.A. Williams, R.L. Fergason, G. Neukum, D. Baratoux, P. Pinet, and the HRSC Co-Investigator Team.
994. 2007, Detection of martian variable features as a function of image filter: HRSC comparisons, *Lunar and Planetary Science Conference, XXXVIII*, Abstract #1376, Lunar and Planetary Institute, Houston (CD-ROM), Greeley, R., P. Pinet, D.A. Williams, C. Butler-Freeman, L.D.V. Neakrase, and G. Neukum.
995. 2007, Particle threshold as a function of surface type: preliminary laboratory experiments, *Lunar and Planetary Science Conference, XXXVIII*, Abstract #1397, Lunar and Planetary Institute, Houston (CD-ROM), Neakrase, L.D.V., R. Greeley, A. Scire, A. Zink, M. Abel, and P. Shakkottai.
996. 2007, Dust devils in the laboratory: effects of surface roughness on vortex parameters, *Lunar and Planetary Science Conference, XXXVIII*, Abstract #1402, Lunar and Planetary Institute, Houston (CD-ROM), Neakrase, L.D.V., R. Greeley, J.D. Iversen, and E.E. Eddlemon.
997. 2007, Kissing Mars rocks with the rover's rats: an educational exercise to understand and drilling rocks on Mars, *Lunar and Planetary Science Conference, XXXVIII*, Abstract #1713, Lunar and Planetary Institute, Houston (CD-ROM), Williams, D.A., P.L. Whelley, J.E. Bleacher, S.R. Cave, V.A. Zabala-Aliberto, A.A. Zabala, and R. Greeley.
998. 2007, The geologic evolution of Mars: episodicity of resurfacing events and ages from cratering analysis of image data and correlation with radiometric ages of martian meteorites, *Lunar and Planetary Science Conference, XXXVIII*, Abstract #2271, Lunar and Planetary Institute, Houston (CD-ROM), Neukum, G., A.T. Basilevsky, M.G. Chapman, S.C. Werner, S. van Gasselt, R. Jaumann, E. Hauber, H. Hoffmann, U. Wolf, J.W. Head, R. Greeley, T.B. McCord, and the HRSC Co-Investigator Team.
999. 2007, Global geologic map of Europa, *Lunar and Planetary Science Conference, XXXVIII*, Abstract #2296, Lunar and Planetary Institute, Houston (CD-ROM), Doggett, T., P. Figueredo, R. Greeley, T. Hare, E. Kolb, K. Mullins, D. Senske, K. Tanaka, and S. Weiser.
1000. 2007, Onboard science on the Mars Exploration Rovers: cloud and dust devil detection, *Lunar and Planetary Science Conference, XXXVIII*, Abstract #2420, Lunar and Planetary Institute, Houston (CD-ROM), Bornstein, B., A. Fukunaga, A. Castano, J. Biesiadecki, R. Castano, S. Chien, R. Greeley, P. Whelley, L. Neakrase, and M. Lemmon.

1001. 2007, Saharan dust devil tracks; more analogs for Mars, *2nd International Workshop on Exploring Mars and its Earth Analogues*, 19-23 June, Trento, Italy, Whelley P., J. McHone, L. Neakrase, and R. Greeley.
1002. 2007, Climate change on Mars from erosion rates at the Mars Exploration Rover landing sites, Lunar and Planetary Institute, *7th International Mars Conference*, Abstract #3034, Pasadena, Calif. July 9-13, Golombek, M.P., J.A. Grant, L.S. Crumpler, R. Greeley, R.E. Arvidson, J.F. Bell III, C.M. Weitz, R. Sullivan, P.R. Christensen, L.A. Soderblom, and S.W. Squyres.
1003. 2007, Dust Devils in Gusev Crater: a second year of observations by the Spirit Rover, Lunar and Planetary Institute, *7th International Mars Conference*, Abstract #3149, Pasadena, Calif. July 9-13, Landis, G. A., Geissler, P. G., Greeley, R., Lemmon, M.T., Maki, J., Neakrase, L.D.V., Thompson, S.D., Waller, D., Whelley, P.L., MER Athena Science Team.
1004. 2007, Plains volcanism on Mars revisited: the topography and morphology of low shields and associated volcanic landforms, *Geol. Soc. Amer.*, Abstracts with Programs, v. 39, No. 6, p. 568, Abstract #209-4, Hauber, E., J. Bleacher, D. Williams, and R. Greeley.
1005. 2007, Shield-field volcanism on planets: the Snake River Plain as the type example, *Geol. Soc. Amer.*, Abstracts with Programs, v. 39, No. 6, p. 122, Abstract #46-1, Greeley, R.
1006. 2007, Topographic analysis of low shield volcanoes in southwestern Arizona, *Geol. Soc. Amer.*, Abstracts with Programs, v. 39, No. 6, p. 124, Abstract #46-9, Cave, S.R. and R. Greeley.
1007. 2007, Spatial analyses for small vents south of Pavonis Mons, *Geol. Soc. Amer.*, Abstracts with Programs, v. 39, No. 6, p. 124, Abstract #46-13, Glaze, L.S., J. Bleacher, R. Greeley, T.D. Glotch, and S.M. Baloga.
1008. 2007, Insights into martian volcanism by the HRSC experiment on Mars Express, *Geol. Soc. Amer.*, Abstracts with Programs, v. 39, No. 6, p. 171, Abstract #60-8, Williams, D.A., R. Greeley, G. Neukum, E. Hauber, J. Bleacher, A. Basilevsky, H. Hiesinger, J.W. Head, A.R. Baptista, and N. Mangold.
1009. 2007, New insights into the geologic evolution of Mars by the HRSC experiment on the Mars Express mission, *Geol. Soc. Amer.*, Abstracts with Programs, v. 39, No. 6, p. 172, Abstract #60-9, Neukum, G., A.T. Basilevsky, M.G. Chapman, S. Van Gasselt, R. Jaumann, E. Hauber, H. Hoffmann, J.W. Head, R. Greeley, and T.B. McCord.
1010. 2007, The Tyrrhena-Malea volcanic province, Mars, European Space Agency, *European Mars Science and Exploration Conference: Mars Express & ExoMars*, ESTEC, Noordwijk, The Netherlands, 12 – 16, November, p. 244, Greeley, R., D.A. Williams, R.L. Fergason, R.O. Kuzmin, J. Raitala, G. Neukum, D. Baratoux, P. Pinet, L. Xiao.
1011. 2007, Plains volcanism on Mars revisited: the topography and morphology of low shields and associated volcanic landforms, European Space Agency, *European Mars Science and Exploration Conference: Mars Express & ExoMars*, ESTEC, Noordwijk, The Netherlands, 12 – 16, November, p. 81, Hauber, E., J. Bleacher, D. Williams, and R. Greeley.

1012. 2007, Hadriaca patera: insights into its volcanic history from *Mars Express* HRSC, European Space Agency, *European Mars Science and Exploration Conference: Mars Express & ExoMars*, ESTEC, Noordwijk, The Netherlands, 12 – 16, November, p. 83, Williams, D.A., R. Greeley, W. Zuschneid, S. Werner, G. Neukum, D.A. Crown, T.K.P. Gregg, K. Gwinner, J. Raitala, and the HRSC Co-Investigator Team.
1013. 2007, Detailed study of HRSC dust devils and comparison with Spirit dust devils, European Space Agency, *European Mars Science and Exploration Conference: Mars Express & ExoMars*, ESTEC, Noordwijk, The Netherlands, 12 – 16, November, p. 106, Stanzel, C., M. Pätzold, D. A. Williams, P. L. Whelley, R. Greeley, G. Neukum, and the HRSC Co-Investigator Team.
1014. 2007, Mapping of plains volcanism in Tempe Terra, Mars: new observations with post-Viking data, European Space Agency, *European Mars Science and Exploration Conference: Mars Express & ExoMars*, ESTEC, Noordwijk, The Netherlands, 12 – 16, November, p. 241, Hauber, E., P. Broz, J. Bleacher, D. Williams, and R. Greeley.
1015. 2007, Global geology and stratigraphy of Europa, *Eos. Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract #P53B-1241, Doggett, T., R. Greeley, P. Figueredo, and K. Tanaka.
1016. 2007, Magmatic history of Martian highland volcanoes and Tharsis: clues from electron reflection magnetometry, *Eos. Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract #P12A-01, Lillis, R.J., J.E. Bleacher, M. Manga, J. Dufek, and R. Greeley.
1017. 2007, The science goal and objectives of Europa Explorer, *Eos. Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract #P21B-0533, Greeley, R., R.T. Pappalardo, K.B. Clark, and the Science Definition Team.
1018. 2007, An overview of the exploration history of Europa, *Eos. Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract #P51E-01, Alexander, C.J., G. Consolmagno, R. Greeley, and D. Morrison.
1019. 2007, Europa Explorer: A mission to explore Europa and investigate its habitability, *Eos. Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract #P52A-08, Clark, K.B., R.T. Pappalardo, and R. Greeley.
1020. 2007, Constraining eruptive conditions from lava flow morphometry: A case study with field evidence, *Eos. Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract #P13A-1037, Bowles, Z.R., A. Clarke, and R. Greeley.
1021. 2007, $^{40}\text{Ar}/^{39}\text{Ar}$ ages for the Sentinel-Arlington Volcanic Field, Southwestern Arizona, *Eos. Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract #V23B-1439, Cave, S.R., R. Greeley, D.E. Champion, and B.D. Turrin.
1022. 2007, Wind-driven particle mobility on Mars: insights from MER observations, *Eos. Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract #P11A-0254, Sullivan, R., R. Arvidson, J.F. Bell, P. Geissler, M. Golombek, R. Greeley, K. Herkenhoff, J. Johnson, S. Thompson, and P. Whelley.
1023. 2008, An assessment of near-surface conditions conducive to Ionian sulfur flows, *Lunar and Planetary Science Conference, XXXIX*, Abstract #1002, Lunar and Planetary Institute, Houston (CD-ROM), Rameriz, R.M., D.A. Williams, and R. Greeley.

1024. 2008, Peneus Patera: analysis of surface morphology at various scales, *Lunar and Planetary Science Conference, XXXIX*, Abstract #1005, Lunar and Planetary Institute, Houston (CD-ROM), Williams, D.A., R. Greeley, R. Fergason, R. Kuzmin, L. Xiao, D. Baratoux, P. Pinet, T. McCord, and J.-P. Coombe.
1025. 2008, Volcanism on Mars: integrated constraints and implications for martian thermal history, *Lunar and Planetary Science Conference, XXXIX*, Abstract #1038, Lunar and Planetary Institute, Houston (CD-ROM), Xiao, L., R. Greeley, and D. Williams.
1026. 2008, Geologic mapping of the Zal region of Io, *Lunar and Planetary Science Conference, XXXIX*, Abstract #1075, Lunar and Planetary Institute, Houston (CD-ROM), Bunte, M.K., D.A. Williams, and R. Greeley.
1027. 2008, Magmatic history of southwestern tharsis: clues from volcanic history, *Lunar and Planetary Science Conference, XXXIX*, Abstract #1159, Lunar and Planetary Institute, Houston (CD-ROM), Lillis, R.J., J. Bleacher, J. Dufek, M. Manga, and R. Greeley.
1028. 2008, Laboratory studies of dust devil sediment flux: comparison with data from Gusev Crater, Mars, *Lunar and Planetary Science Conference, XXXIX*, Abstract #1191, Lunar and Planetary Institute, Houston (CD-ROM), Neakrase, L.D.V., and R. Greeley.
1029. 2008, Spatial and alignment analyses for a field of small volcanic vents south of Pavonis Mons, Mars, *Lunar and Planetary Science Conference, XXXIX*, Abstract #1722, Lunar and Planetary Institute, Houston (CD-ROM), Bleacher, J.E., L.S. Glaze, R. Greeley, E. Hauber, S.M. Baloga, S.E.H. Sakimoto, D.A. Williams, and T.D. Glotch.
1030. 2008, Wind-driven particle mobility on Mars: insights from MER observations at “El Dorado” and surroundings at Gusev Crater, *Lunar and Planetary Science Conference, XXXIX*, Abstract #2092, Lunar and Planetary Institute, Houston (CD-ROM), Sullivan, R., R. Arivdson, J.F. Bell III, M. Golombek, E. Guinness, R. Greeley, K. Herkenhoff, J. Johnson, S. Squyres, S. Thompson, P. Whelley, and J. Wray.
1031. 2008, The Titan Wind Tunnel: a new resource in the Planetary Aeolian Laboratory, *Lunar and Planetary Science Conference, XXXIX*, Abstract #2196, Lunar and Planetary Institute, Houston (CD-ROM), Burr, D.M., J.R. Marshall, R. Greeley, D. Schickele, C.R. Woosley, N.T. Bridges, and B.R. White.
1032. 2008, Near-surface wind speeds inferred from movement of sand grains observed by *Spirit* in Gusev Crater, Mars, *Lunar and Planetary Science Conference, XXXIX*, Abstract #2218, Lunar and Planetary Institute, Houston (CD-ROM), Waller, D., R. Greeley, L.D. Neakrase, R. Sullivan, J. Johnson, and the Athena Science Team.
1033. 2008, Current status of the 2008 Europa-Jupiter study, *37th COSPAR Scientific Assembly*, Pappalardo, R., J.-P. Lebreton, A. Stankov, R. Greeley, M. Blanc, K. Clark, P. Grunthaner, and P. Falkner (submitted).
1034. 2008, Morphometric analysis and cartographic representation of a volcanic field in Tempe Terra, Mars, *Geophys. Res. Abs.*, 10, EGU2008-A-05502, Habuer, E., A. Kuhn, P. Brosz, M. Wahlisch, J. Bleacher, D. Williams, and R. Greeley.
1035. 2008, Field exercises in the Pinacate Volcanic Field, Mexico: an analog for planetary volcanism, *Joint Meeting of The Geological Society of America, Soil Science Society of*

- America, American Society of Agronomy, Crop Science Society of America, Gulf Coast Association of Geological Societies with the Gulf Coast Section of SEPM, Geol. Soc. Amer., Abstracts with Programs, 40(6), p. 293, Abstract #214-10, Williams, D.A., R. Greeley, S.A. Fagents, and J.F. McHone.*
1036. 2008, Warford Ranch volcano: introduction to remote sensing, field-work, and basaltic volcanism, *Joint Meeting of The Geological Society of America, Soil Science Society of America, American Society of Agronomy, Crop Science Society of America, Gulf Coast Association of Geological Societies with the Gulf Coast Section of SEPM, Geol. Soc. Amer., Abstracts with Programs, 40(6), p. 336, Abstract #237-9, Greeley, R. and S.R. Cave.*
1037. 2008, The “Holey Tour,” Arizona Planetary Geology Field Trip, *Joint Meeting of The Geological Society of America, Soil Science Society of America, American Society of Agronomy, Crop Science Society of America, Gulf Coast Association of Geological Societies with the Gulf Coast Section of SEPM, Geol. Soc. Amer., Abstracts with Programs, 40(6), p. 292, Abstract #214-2, Greeley, R.*
1038. 2008, Saharan dust devil tracks: Mars analog field study areas, *Joint Meeting of The Geological Society of America, Soil Science Society of America, American Society of Agronomy, Crop Science Society of America, Gulf Coast Association of Geological Societies with the Gulf Coast Section of SEPM, Geol. Soc. Amer., Abstracts with Programs, 40(6), p. 262, Abstract #195-19, Neakrase, L.D.V., J. McHone, P. Whelley, and R. Greeley.*
1039. 2008, Field exercises in the Pinacate Volcanic Field, Mexico: an analog for planetary volcanism, *Joint Meeting of The Geological Society of America, Soil Science Society of America, American Society of Agronomy, Crop Science Society of America, Gulf Coast Association of Geological Societies with the Gulf Coast Section of SEPM, Geol. Soc. Amer., Abstracts with Programs, 40(6), p. 293, Abstract #214-10, Williams, D.A., R. Greeley, S.A. Fagents, and J.F. McHone.*
1040. 2008, The EJSM Jupiter-Europa Orbiter: Science Objectives, *European Planetary Science Congress, 21-26 September, Munster, Germany, Abstract #EPSC2008-A-00608, Pappalardo, R.T., M. Blanc, K. Clark, R. Greeley, A.R. Hendrix, J.-P. Lebreton, and the Joint Jupiter Science Definition Team.*
1041. 2008, The EJSM Jupiter-Europa Orbiter: Mission Overview, *European Planetary Science Congress, 21-26 September, Munster, Germany, Abstract #EPSC2008-A-00609, Pappalardo, R.T., K. Clark, R. Greeley, A.R. Hendrix, G. Tan-Wang, R. Lock, T. Van Houten, J. Ludwinski, A. Petropoulis, I. Jun, and J. Kinnison.*
1042. 2008, The EJSM Jupiter-Ganymede Orbiter, *European Planetary Science Congress, 21-26 September, Munster, Germany, Abstract #EPSC2008-A-00623, M. Blanc, J.-P. Lebreton, A. Stankov, R. Greeley, R.T. Pappalardo, M. Fujimoto, and the Joint Jupiter Science Definition Team.*
1043. 2008, The EJSM Jupiter Orbiter: Planning Payload, *European Planetary Science Congress, 21-26 September, Munster, Germany, Abstract #EPSC2008-A-00626, Pappalardo, R.T., K. Clark, R. Greeley, A.R. Hendrix, J. Boldt, G. Tan-Wang, R. Lock, T.*

- Van Houten, and J. Ludwinski.
1044. 2008, The Tyrrhena-Malea Volcanic Province, Mars: Overview, *European Planetary Science Congress, 21-26 September, Munster, Germany*, Abstract #EPSC2008-A-00121, Williams, D., R. Greeley, R. Fergason, R. Kuzmin, T. McCord, J.-P. Combe, J. Head, L. Xiao, L. Manfredi, F. Poulet, P. Pinet, D. Baratoux, J.J. Plaut, J. Raitala, G. Neukum, and the HRSC Co-Investigator Team.
 1045. 2008, Current Status of the EJSM Jupiter Europa Orbiter: Mission Design and Architecture, *40th Annual Meet of the Div. Planet. Sci., Ithaca NY, October 10-15, 2008*, Abstract #32.04, Grunthaler, P., K. Clark, R. Pappalardo, R. Greeley, A. Hendrix, J. Boldt, T. Van Houten, I. Jun, R. Lock, J. Ludwinski, R. Rasmussen, and G. Tan-Wang.
 1046. 2008, The Jupiter Ganymede Orbiter: An ESA Contribution to the Europa-Jupiter System Mission, *40th Annual Meet of the Div. Planet. Sci., Ithaca NY October 10-15, 2008*, Abstract #32.05, Drossart, P., M. Blanc, J.P. Lebreton, R.T. Pappalardo, R. Greeley, M. Fujimoto, and the EJSM/Jupiter Science Definition Team.
 1047. 2008, Current Status of the Jupiter Europa Orbiter (JEO): Science & Science Implementation, *40th Annual Meet of the Div. Planet. Sci., Ithaca NY October 10-15, 2008*, Abstract #32.18, Pappalardo, R.T., M. Blanc, K. Clark, R. Greeley, A. Hendrix, J. Lebreton, L. Prockter, and the Joint Jupiter Science Definition Team.
 1048. 2008, Current Status of the EJSM Jupiter Europa Orbiter Flagship Mission Design, *Eos Trans., AGU, 89(53), Fall Meet. Suppl.*, Abstract P23A-1355, Clark, K., R. Pappalardo, R. Greeley, A. Hendrix, J. Boldt, T. Van Houten, I. Jun, R. Lock, J. Ludwinski, R. Rasmussen, and C. Tan-Wang.
 1049. 2008, The EJSM Jupiter-Europa Orbiter: Planning Payload, *Eos Trans., AGU, 89(53), Fall Meet. Suppl.*, Abstract P23A-1354, G. Tan-Wang, R. Pappalardo, J. Boldt, K. Clark, R. Greeley, A.R. Hendrix, R.E. Lock, T. Van Houten, and J. Ludwinski.
 1050. 2008, Automatic landmark identification in Mars orbital imagery, *Eos Trans., AGU, 89(53), Fall Meet. Suppl.*, Abstract P53C-1469, K.L. Wagstaff, J. Panetta, R. Greeley, N. Schorghofer, M. Bunte, M.P. Hoffer, and A. Ansar.
 1051. 2008, Current status of the Jupiter Europa Orbiter (JEO): Science and Science Implementation, *Eos Trans., AGU, 89(53), Fall Meet. Suppl.*, Abstract P23A-1356, Pappalardo, R.T., M. Blanc, K. Clark, R. Greeley, A.R. Hendrix, J. Lebreton, and L. Prockter.
 1052. 2008, Diversity of soil textures along Spirit's traverse in Gusev Crater, *Eos Trans., AGU, 89(53), Fall Meet. Suppl.*, Abstract P53A-1436, Cabrol, N.A., K.E. Herkenhoff, J.D. Farmer, R. Greeley, E.A. Grin, C. Schroder, C. d'Uston, C. Weitz, R.A. Yingst, B.A. Cohen, J. Moore, A. Knudson, and R. Li.
 1053. 2008, Mars aeolian features and processes observed concurrently from orbit and the ground, *Eos Trans., AGU, 89(53), Fall Meet. Suppl.*, Abstract P33C-04, Greeley, R., R. Arvidson, N. Cabrol, P. Christensen, P., P. de Souza, P. Geissler, W. Goetz, G. Landis, M. Lemmon, M. Malin, A. McEwen, G. Neukum, M. Pendleton Hoffer, S. Squyres, R. Sullivan, D. Waller, and D. Williams.

1054. 2008, Constraints on aeolian degradation rates on Mars from erasure of rover tracks, *Eos Trans., AGU*, 89(53), Fall Meet. Suppl., Abstract P53A-1434, Geissler, P.E, R. Arvidson, J. Bell, N. Bridges, P. De Souza, M. Golombek, R. Greenberger, R. Greeley, K. Herkenhoff, H. Lahtela, G. Landis, R. Li, J. Moersch, L. Richter, M. Sims, J. Soderblom, R. Sullivan, B. Thompson, C. Verba, D. Waller, and A. Wang.