

F. Scott Anderson

Southwest Research Institute
1050 Walnut St, Suite 300
Boulder, CO, 80302
Email: Anderson@boulder.swri.edu

Phone: (720) 240-0127
Cell: (808) 224-4734
Citizenship: U.S.A.

1. EDUCATION

Ph.D., Geology, Arizona State University, June 1998. Dissertation: "Numerical Modeling of Tectonic and Aeolian processes on Mars". Advisor: Robert E. Grimm.

2. EMPLOYMENT

Principal Scientist, SwRI, 2008-present.
Associate Researcher, University of Hawaii, 2007.
Assistant Researcher, University of Hawaii, 2002-2007.
Scientist, Jet Propulsion Laboratory, 2000-2002.
NRC Post-doctoral Research Associate, Jet Propulsion Laboratory, 1998-2000.
Research Associate, Arizona State University, 1993-1998.

3. HONORS AND AWARDS

Defense Intelligence Agency (DIA) Measurement and Signal Intelligence (MASINT) Chief Scientist's Award for Technical Excellence, 2006.
National Aeronautics and Space Administration Honor Award, Cryobot Team, 2002.
NASA Honor Award, 2001 Mars Odyssey Flight Team, 2002.
Jet Propulsion Laboratory Award for Excellence, Cryobot Team, For significant achievement in the design, construction, test and operation of a vehicle for melting and exploring polar ice caps on Earth, Mars, and the icy outer satellites, 2002.
National Academy of Sciences/National Research Council Post-doctoral fellowship at the Jet Propulsion Laboratory, 1998-2001.
NASA Space Grant Consortium fellowship, "Lithospheric controls on the Formation of Valles Marineris", 1994-1995.

4. PROFESSIONAL SERVICE & MEMBERSHIPS

NASA PIDDP Panel Chair, 2006, 2008
NASA Astrobiology Institute Executive Council, 2005
National Consortium for MASINT Research Advisory Panel, Nov. 2005
American Geophysical Union, 1992-present.

5. ADVISING

Mikki Osterloo (Ph.D. candidate), admitted 2005
Karen Stockstill (PostDoc), admitted 2005
Aisha Morris, (Ph.D. candidate, co-advisor), admitted 2004
Norbert Schorghofer, (PostDoc), admitted 2004

6. SELECTED PUBLICATIONS

Journal articles

- Anderson, F.S.**, T. Whitaker, E. Pilger, K. Nowicki, S. Sherman, D. Young, G. Miller, B. Peterson, J. Mahoney, M. Norman, J. Boyce, J. Taylor, H. McSween, The Mars Age eXperiment (MAX): A Laser Desorption Resonance Ionization Mass Spectrometer for In-Situ Rb-Sr Geochronology and Elemental Chemistry, MAPS, in press, 2010.
- Osterloo, M. M., F. S. Anderson, V. E. Hamilton, and B. M. Hynek (2010), Geologic context of proposed chloride-bearing materials on Mars, *J. Geophys. Res.*, 115, E10012, doi: 10.1029/2010JE003613.
- Morris, A. R., **Anderson, F. S.**, Mouginis-Mark, P. J., Haldemann, A. F. C., Brooks, B. A., Foster, J., Roughness of Hawaiian volcanic terrains, *Journal of Geophysical Research (Planets)*, 113, 12007, 2008
- Stockstill-Cahill, K. R., **Anderson, F. S.**, Hamilton, V. E., A study of low-albedo deposits within Amazonis Planitia craters: Evidence for locally derived ultramafic to mafic materials, *Journal of Geophysical Research (Planets)*, 113, 7008, 2008
- Osterloo, M. M., Hamilton, V. E., Bandfield, J. L., Glotch, T. D., Baldrige, A. M., Christensen, P. R., Tornabene, L. L., **Anderson, F. S.**, Chloride-Bearing Materials in the Southern Highlands of Mars, *Science*, 319, 1651, 2008
- Anderson, F. S.**, Smrekar, S. E., Global mapping of crustal and lithospheric thickness on Venus, *Journal of Geophysical Research (Planets)*, 111, 8006, 2006
- Anderson, F. S.**, *Contributor*, Lake Vostok: Defining a Technology Roadmap for Exploration and Sampling, Rock, S.M., and Bratina, B.J., Convenors, URL:http://arl.stanford.edu/Vostok_Technology_Workshop_Report.pdf, NSF Workshop, Stanford, Palo Alto, CA, March, 2003, 2004.
- Hoogenboom, T., Smrekar, S. E., **Anderson, F. S.**, Houseman, G., Admittance survey of type 1 coroneae on Venus, *Journal of Geophysical Research (Planets)*, 109, 3002, 2004.
- Anderson, F. S.**, Haldemann, A. F. C., Bridges, N. T., Golombek, M. P., Parker, T. J., Neumann, G., Analysis of MOLA data for the Mars Exploration Rover landing sites, *Journal of Geophysical Research (Planets)*, 108, 8084, 2003.
- Weitz CM, Parker TJ, Bulmer MH, Anderson FS, Grant JA, Geology of the Melas Chasma landing site for the Mars Exploration Rover mission, *Journal of Geophysical Research (Planets)*, 108, 8082, DOI: 10.1029/2002JE002022, 2003.

- Golombek, M. P., Grant, J. A., Parker, T. J., Kass, D. M., Crisp, J. A., Squyres, S. W., Haldemann, A. F. C., Adler, M., Lee, W. J., Bridges, N. T., Arvidson, R. E., Carr, M. H., Kirk, R. L., Knocke, P. C., Roncoli, R. B., Weitz, C. M., Schofield, J. T., Zurek, R. W., Christensen, P. R., Ferguson, R. L., **Anderson, F. S.**, Rice, J. W., Selection of the Mars Exploration Rover landing sites, *Journal of Geophysical Research (Planets)*, 108, 8072, 2003.
- Smrekar, S. E., Comstock, R., **Anderson, F. S.**, A gravity survey of Type 2 coronae on Venus, *Journal of Geophysical Research (Planets)*, 108, 5090, 2003.
- Zimmerman, W., R. Bonitz, J. Feldman, **F. S. Anderson**, F. Carsey, A. Lane, P. Shakkattai, J. L. Hall, H. Englehardt. Cryobot: An Ice Penetrating Robotic Vehicle for Mars and Europa. CD-ROM Proceedings, 2001 IEEE Aerospace Conference, 13 pages, Big Sky, MT, March 8-15, **2001**.
- Jurgens, R. F., Haldemann, A. F. C., Larsen, K. W., Slade, M. A., **Anderson, F. S.**, Arvidson, R. E., The Martian Surface at Human Scales: Using MOLA Data to Improve Earth-based Radar Measured Rover Trafficability, *Bulletin of the American Astronomical Society*, 33, 1103, 2001.
- Golombek, M. P., **Anderson, F. S.**, Zuber, M. T., Martian wrinkle ridge topography: Evidence for subsurface faults from MOLA, *Journal of Geophysical Research*, 106, 23811, 2001.
- Anderson, F. S.**, Greeley, R., Xu, P., Lo, E., Blumberg, D. G., Haberle, R. M., Murphy, J. R., Assessing the Martian surface distribution of aeolian sand using a Mars general circulation model, *Journal of Geophysical Research*, 104, 18991, 1999.
- Anderson, F. S.**, Smrekar, S. E., Tectonic effects of climate change on Venus, *Journal of Geophysical Research*, 104, 30743, 1999.

Abstracts

- Anderson, F. S.**, Nowicki, K., An Initial Demonstration Of LDRIMS On The Boulder Creek Granite: Implications For In-Situ Geochronology, Lunar and Planetary Institute Science Conference Abstracts, 40, 2067, 2011.
- Anderson, F. S.**, Nowicki, K., Advances Using LDRIMS for In-Situ Geochronometry, Astrobiology Science Conference, LPI Contributions, 1538, 5461, 2010.
- Anderson, F. S.**, Nowicki, K., In-Situ Geochronometry: Improved LDRIMS Precision, Lunar and Planetary Institute Science Conference Abstracts, 41, 1979, 2010.

- Anderson, F. S.**, Nowicki, K., In-Situ LDRIMS Geochronometry for the Moon and Mars, Lunar and Planetary Institute Science Conference Abstracts, 40, 2290, 2009
- Osterloo, M. M., Hamilton, V. E., **Anderson, F. S.**, Koeppen, W. C., THEMIS Detections of Forsterite-Fayalite Compositions Within Terra Tyrrhena, Lunar and Planetary Institute Science Conference Abstracts, 40, 1405, 2009
- Glotch, T. D., Osterloo, M. M., Hamilton, V. E., Bandfield, J. L., Baldrige, A. M., Christensen, P. R., Tornabene, L. L., **Anderson, F. S.**, Che, C., Seelos, F. P., Analysis of chloride salt deposits on Mars, Geochimica et Cosmochimica Acta Supplement, 72, 314, 2008
- Stockstill-Cahill, K. R., **Anderson, F. S.**, Hamilton, V. E., A Thermal Emission Study of Hawaiian Foidite Rocks and Comparison to TES Data of Mars, Lunar and Planetary Institute Science Conference Abstracts, 39, 2185, 2008
- Anderson, F. S.**, Whitaker, T., Nowicki, K., Sherman, S., Mahoney, J., Young, D., Miller, G., Peterson, B., In-Situ Geochronology using Resonance Ionization, AGU Fall Meeting Abstracts, A996, 2007
- Osterloo, M. M., **Anderson, F. S.**, Hamilton, V. E., Glotch, T. D., Baldrige, A. M., Christensen, P. R., Bandfield, J. L., Tornabene, L. L., Discovery and Distribution of Chloride-Bearing Deposits in the Ancient Cratered Terrain of Mars From THEMIS, AGU Fall Meeting Abstracts, 1563, 2007
- Morris, A. R., **Anderson, F. S.**, Mougini-Mark, P., Haldemann, A., Brooks, B., Foster, J., Topographic Roughness of Hawaiian Volcanic Terrains: Analysis of Multiple Datasets Indicates Length Scales are Critical, AGU Fall Meeting Abstracts, A1036, 2007
- Osterloo, M. M., **Anderson, F. S.**, Hamilton, V. E., Glotch, T. D., Characterization and Global Distribution of a New, Spectrally Distinct Surface Feature in Mars Odyssey THEMIS Data, LPI Contributions, 1353, 3269, 2007
- Anderson, F. S.**, Whitaker, T. J., Pilger, E., Sherman, S., Miller, G., Young, D., Peterson, B., Mahoney, J., Norman, M., Mars Age Experiment (MAX), Lunar and Planetary Institute Science Conference Abstracts, 38, 2153, 2007
- Morris, A. R., **Anderson, F. S.**, Mougini-Mark, P. J., Haldemann, A. F. C., Garbeil, H., Analysis of Topographic Roughness of Martian and Hawaiian Terrains, Lunar and Planetary Institute Science Conference Abstracts, 38, 2105, 2007

- Osterloo, M. M., **Anderson, F. S.**, Hamilton, V. E., Glotch, T. D., Analysis of a Spectrally Distinct Surface Feature in the Terra Sirenum Region of Mars from THEMIS and TES, Lunar and Planetary Institute Science Conference Abstracts, 38, 1814, 2007
- Stockstill, K. R., **Anderson, F. S.**, Hamilton, V. E., TES Study of Low-Albedo Intracrater Deposits Within Amazonis Planitia, Mars, Lunar and Planetary Institute Science Conference Abstracts, 38, 1490, 2007
- Anderson, F. S.**, Whitaker, T. J., Young, D., Peterson, B., Rb-Sr Dating Using LDRIMS, Chronology of Meteorites and the Early Solar System, 22, 2007
- Anderson, F.**, Whitaker, T., Pilger, E., Miller, G., Young, D., Peterson, B., Mahoney, J., Sherman, S., French, L., Norman, M., Sharma, S., Mars Age eXperiment (MAX), AGU Fall Meeting Abstracts, A7, 2006
- Morris, A. R., **Anderson, F.**, Mouginis-Mark, P., Haldemann, A., Topographic Roughness of Hawaiian Volcanic Terrains: A Scale-Dependent Analysis of a Potential Mars Landing Site Analog, AGU Fall Meeting Abstracts, 8, 2006
- Anderson, F. S.**, Whitaker, T., Miller, G., Young, D., Mahoney, J., Norman, M., French, L., A Laser RIMS Instrument to Date Igneous Rocks Using Rb-Sr and Measure Elemental Chemistry, LPI Contributions, 1320, 10, 2006
- Morris, A. R., **Anderson, F. S.**, Mouginis-Mark, P. J., Haldemann, A. F. C., Gregg, T. K. P., Initial Analysis of Topographic Roughness of Martian and Hawaiian Terrains, 37th Annual Lunar and Planetary Science Conference, 37, 2064, 2006
- Osterloo, M. M., **Anderson, F. S.**, Whitaker, T., Miller, G., Young, D., Mahoney, J., Norman, M., A LASER RIMS Instrument to Date Igneous Rocks using Rb-Sr and Measure Elemental Chemistry, AGU Fall Meeting Abstracts, A918, 2005
- Stockstill, K., **Anderson, F.**, Pilger, E., McMurtry, G., French, L., A Rugged Miniature Mass-Spectrometer for Aqueous Geochemistry on Mars, AGU Fall Meeting Abstracts, A916, 2005
- Anderson, F. S.**, Hamilton, V. E., A Method for Identifying Mineralogical Signatures in Locales With Large Topography Using Atmospherically Equalized THEMIS Data, AGU Fall Meeting Abstracts, A5, 2005
- French, L. C., **Anderson, F. S.**, McMurtry, G., Pilger, E., Stopar, J. D., A Rugged Miniature Mass-Spectrometer for Measuring Aqueous Geochemistry on Mars, 36th Annual Lunar and Planetary Science Conference, 36, 2138, 2005

- Anderson, F. S.**, Drake, J. S., Hamilton, V. E., Extracting Compositional Variation from THEMIS Data for Features with Large Topography on Mars Via Atmospheric Equalization, 36th Annual Lunar and Planetary Science Conference, 36, 1852, 2005
- Anderson, F. S.**, Whitaker, T., Miller, G., Young, D. T., Mahoney, J., Norman, M. D., French, L., A LASER RIMS Instrument to Date Igneous Rocks Using Rb-Sr and Measure Elemental Chemistry, 36th Annual Lunar and Planetary Science Conference, 36, 1843, 2005
- Smrekar, S. E., **Anderson, F. S.**, Global Admittance Estimates of Elastic and Crustal Thickness of Venus: Results from Top, Hot Spot, and Bottom Loading Models, 36th Annual Lunar and Planetary Science Conference, 36, 1804, 2005
- Anderson, F.**, Hamilton, V., A Large-Scale Atmospheric Equalization Technique for THEMIS Data, AGU Fall Meeting Abstracts, A961, 2004
- Haldemann, A. F., **Anderson, F. S.**, Ivanov, A. B., Fractal Mars: Global Equal-Area Mapping of 0.3 km to 1.2 km Slope Properties, AGU Fall Meeting Abstracts, A947, 2004
- Anderson, F. S.**, A Large Scale Topographic Correction for THEMIS Data, Lunar and Planetary Institute Science Conference Abstracts, 35, 2160, 2004
- Anderson, F. S.**, Whitaker, T., Miller, G., Young, D., Mahoney, J., Taylor, J., A LASER RIMS Instrument to Date Igneous Rocks, Measure Geochemistry, AGU Fall Meeting Abstracts, 412, 2003
- Weitz, C., Lane, M., **Anderson, F. S.**, Gray Hematite Distribution within Valles Marineris, AGU Fall Meeting Abstracts, 54, 2003
- Anderson, F. S.**, Hamilton, V. E., Christensen, P. R., Mineralogy of the Valles Marineris from TES and THEMIS, Sixth International Conference on Mars, 3280, 2003
- Parker, T. J., Grant, J. A., **Anderson, F. S.**, Banerdt, W. B., From the South Pole to the Northern Plains: The Argyre Planitia Story, Sixth International Conference on Mars, 3274, 2003
- Mouginis-Mark, P. J., Boyce, J. M., Hamilton, V. E., **Anderson, F. S.**, A Very Young, Large, Impact Crater on Mars, Sixth International Conference on Mars, 3004, 2003
- Anderson, F. S.**, Hamilton, V. E., Christensen, P. R., Mineralogy of the Valles Marineris: Initial Stratigraphic Results from Comparing TES Endmember Compositions with MOLA, Lunar and Planetary Institute Science Conference Abstracts, 34, 2022, 2003

- Hoogenboom, T., Smrekar, S. E., **Anderson, F. S.**, Houseman, G., Admittance Survey of Type 1 Coronae on Venus: Implications for Elastic Thickness, Lunar and Planetary Institute Science Conference Abstracts, 34, 1372, 2003
- Smrekar, S. E., Stofan, E. R., **Anderson, F. S.**, The Role of the Crust and Elastic Lithosphere in the Formation and Evolution of Venusian Type 2 Coronae, AGU Fall Meeting Abstracts, 467, 2002
- Haldemann, A. F., **Anderson, F. S.**, Mars Exploration Rover Landing Site Hectometer Slopes, AGU Fall Meeting Abstracts, A390, 2002
- Anderson, F. S.**, Parker, T. J., Characterization of MER Landing Sites Using MOC and MOLA, Lunar and Planetary Institute Science Conference Abstracts, 33, 2028, 2002
- Parker, T. J., Grant, J. A., **Anderson, F. S.**, Franklin, B. J., MOLA Topographic Evidence for a Massive Noachian Ocean on Mars, Lunar and Planetary Institute Science Conference Abstracts, 33, 2027, 2002
- Weitz, C. M., Parker, T. J., **Anderson, F. S.**, Grant, J. A., Geology of a Proposed MER Landing Site in Western Melas Chasma, Lunar and Planetary Institute Science Conference Abstracts, 33, 1246, 2002
- Boynton, W. V., Feldman, W. C., Mitrofanov, I., Trombka, J. I., Arnold, J. R., Englert, P. A. J., Metzger, A. E., Reedy, R. C., Squyres, S. W., D'Uston, C., W¨nke, H., Brückner, J., Drake, D. M., Evans, L. G., Starr, R., Shinohara, C., **Anderson, F. S.**, Expected Performance and Initial Results From The 2001 Mars Odyssey Gamma Ray Spectrometer (grs) Instrument Suite, EGS XXVII General Assembly, Nice, 21-26 April 2002, abstract #6602, 27, 6602, 2002
- Haldemann, A. F., Larsen, K. W., Jurgens, R. F., Slade, M. A., **Anderson, F. S.**, Arvidson, R. E., The Martian Surface at Human Scales: Using MOLA Data to Improve Earth-based Radar Scattering Model Retrievals, AGU Fall Meeting Abstracts, A568, 2001
- Anderson, F.**, Hecht, M. H., Carsey, F. D., Conrad, P. G., Zimmerman, W. F., French, L. C., Engelhardt, H., In-situ Ice Core Analysis of Longyearbreen Glacier Using a Cryobot: Preparation for the Northern Polar Cap of Mars, AGU Fall Meeting Abstracts, 548, 2001
- Parker, T. J., Franklin, B. J., Grant, J. A., Banerdt, W. B., **Anderson, F. S.**, Clifford, S. M., Topographic Evidence for a Massive Ocean on Early Mars., AGU Fall Meeting Abstracts, 10, 2001
- Jurgens, R. F., Haldemann, A. F. C., Larsen, K. W., Slade, M. A., **Anderson, F. S.**, Arvidson, R. E., The Martian Surface at Human Scales: Using MOLA Data to Improve Earth-based

Radar Measured Rover Trafficability, *Bulletin of the American Astronomical Society*, 33, 1103, 2001.

Anderson, F. S., Smrekar, S. E., Global Admittance Estimates of Elastic and Crustal Thickness of Venus: Preliminary Results from Top and Bottom Loading Models, *Lunar and Planetary Institute Science Conference Abstracts*, 32, 2182, 2001

Anderson, F. S., Golombek, M. P., Using MOC and MOLA Data to Assess Landing Site Safety, *Lunar and Planetary Institute Science Conference Abstracts*, 32, 2173, 2001

Comstock, R. L., Smrekar, S. E., **Anderson, F. S.**, Topographic Corona Gravity Survey Results, *Lunar and Planetary Institute Science Conference Abstracts*, 32, 2006, 2001

Weitz, C. M., Parker, T. J., **Anderson, F. S.**, Grant, J. A., The Interior Layered Deposits of Valles Marineris: Layering, Erosional Processes, and Age Relationships, *Lunar and Planetary Institute Science Conference Abstracts*, 32, 1629, 2001

Weitz, C. M., Parker, T. J., **Anderson, F. S.**, Potential MER Landing Site in Melas Chasma, First Landing Site Workshop for the 2003 Mars Exploration Rovers, 71, 2001

French, L. C., **Anderson, F. S.**, Carsey, F. D., Green, J. R., Lane, A. L., Zimmerman, W. F., Subsurface Exploration Technologies and Strategies for Europa, *Forum on Innovative Approaches to Outer Planetary Exploration 2001-2020*, 30, 2001

Carsey, F. D., **Anderson, F. S.**, French, L. C., Green, J. R., Jones, J. A., Lane, A. L., Leger, P. C., Zimmerman, W. F., Technologies for Icy Bodies Access, *Forum on Innovative Approaches to Outer Planetary Exploration 2001-2020*, 17, 2001

Haldemann, A. F. C., Jurgens, R. F., **Anderson, F. S.**, Slade, M. A., Enhanced Mars Radar Observations with the Goldstone Solar System Radar, *Bulletin of the American Astronomical Society*, 32, 1114, 2000

Kass, D. M., Crisp, D., **Anderson, F. S.**, TES Instrument Team, Multiple Scattering Retrieval of the Martian Atmosphere from TES Spectra during the Noachis Dust Storm, *Bulletin of the American Astronomical Society*, 32, 1105, 2000

Anderson, F. S., Banerdt, W. B., Preliminary Admittance Estimates for the Valles Marineris, Mars, *Lunar and Planetary Institute Science Conference Abstracts*, 31, 2090, 2000

Anderson, F. S., Smrekar, S. E., Venusian Coronae with Variable Elastic Thickness as a Function of Wavelength, *Lunar and Planetary Institute Science Conference Abstracts*, 31, 1994, 2000

- Golombek, M. P., **Anderson, F. S.**, Zuber, M. T., Martian Wrinkle Ridge Topography: Evidence for Subsurface Faults from MOLA, Lunar and Planetary Institute Science Conference Abstracts, 31, 1294, 2000
- Anderson, F. S.**, Banerdt, W. B., Golombek, M. P., Implications of Flexural Flanks at the Valles Marineris, Mars, The Fifth International Conference on Mars, 6232, 1999.
- Anderson, F. S.**, Grimm, R. E., Rifting of Valles Marineris, Mars: A Finite Element Analysis, Lunar and Planetary Institute Science Conference Abstracts, 30, 1954, 1999.
- Anderson, F. S.**, Smrekar, S. E., Implications of Atmospheric Temperature Change for Surface Deformation on Venus, Lunar and Planetary Institute Science Conference Abstracts, 30, 1943, 1999.
- Koenig, E., Fink, J. H., **Anderson, F. S.**, Radial Dike Emplacement on Venus: The Effects of a Temperature-dependent Viscosity Structure on Volcanic Edifice Stresses, Lunar and Planetary Institute Science Conference Abstracts, 30, 1938, 1999.
- Golombek, M., **Anderson, F.**, Bridges, N., Briggs, G., Gilmore, M., Gulick, V., Haldemann, A., Parker, T., Saunders, R., Spencer, D., Smith, J., Soderblom, L., Weitz, C., Constraints, Approach and Present Status for Selecting the Mars Surveyor 2001 Landing Site, Workshop on Mars 2001: Integrated Science in Preparation for Sample Return and Human Exploration, 38, 1999.
- Anderson, F. S.**, Grimm, R. E., Rift processes at Valles Marineris, Mars - Rate dependent strength evolution versus necking, Lunar and Planetary Institute Science Conference Abstracts, 28, 35, 1997.
- Anderson, F. S.**, Lo, E., Greeley, R., Global Sand Transport and Distribution on Mars, Lunar and Planetary Institute Science Conference Abstracts, 27, 25, 1996.
- Anderson, F. S.**, Grimm, R. E., Crustal Thickness Variations at Valles Marineris, Mars, Lunar and Planetary Institute Science Conference Abstracts, 26, 39, 1995.
- Anderson, F. S.**, Grimm, R. E., Lithospheric Controls on the Formation of Valles Marineris, Lunar and Planetary Institute Science Conference Abstracts, 25, 29, 1994.
- Greeley, R., Kuzmin, R., Costard, F., **Anderson, F. S.**, Geringer, M. A., Landheim, R., Wenrich, M. L., Mars Analog Site Study (MASS), Lunar and Planetary Institute Science Conference Abstracts, 24, 567, 1993.

Greeley, R., **Anderson, F. S.**, Blumberg, D., Lo, E., Xu, P., Pollack, J., Sand transport on Mars: Preliminary results from models, Lunar and Planetary Institute Science Conference Abstracts, 24, 563, 1993.