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RECORD\_TYPE = STREAM

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "ALLISON&MCEWEN2000"  
REFERENCE\_DESC = "  
Allison, M., McEwen, M., 2000. A post-Pathfinder evaluation of  
areocentric solar coordinates with improved timing recipes for  
Mars seasonal/diurnal climate studies.  
Planetary and Space Science, 48, 215-235."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "ATKINS2002"  
REFERENCE\_DESC = "  
Atkins, P. W., 2002.  
Physical chemistry, 6th edition. W. H. Freeman."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "ARVIDSONETAL2003"  
REFERENCE\_DESC = "  
Arvidson, R. E., Seelos, F. P., Deal, K. S., Koeppen, W. C.,  
Snider, N. O., Kieniewicz, J. M., Hynek, B. M., Mellon, M. T.,  
Garvin, J. B., 2003.  
Mantled and exhumed terrains in Terra Meridiani, Mars.  
Journal of Geophysical Research, 108, 8073, doi:10.1029/2002JE001982."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "BANFIELDETAL2000"  
REFERENCE\_DESC = "  
Banfield, D., Conrath, B., Pearl, J. C., Smith, M. D.,  
Christensen, P., 2000. Thermal tides and stationary waves on Mars  
as revealed by Mars Global Surveyor Thermal Emission Spectrometer.  
Journal of Geophysical Research, 105, 9521-9538."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "BOUGHERETAL1990"  
REFERENCE\_DESC = "  
Bougher, S. W., Roble, R. G., Ridley, E. C., Dickinson, R. E., 1990.  
The Mars thermosphere. II - General circulation with coupled dynamics  
and composition.  
Journal of Geophysical Research, 95, 14811-14827."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "BRIDGERETAL1998"  
REFERENCE\_DESC = "  
Bridger, A. F. C., Murphy, J. R., 1998. Mars surface pressure  
tides and their behavior during global dust storms.  
Journal of Geophysical Research, 103, 8587-8602."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "BRAUNETAL1995"  
 REFERENCE\_DESC = "  
 Braun, R. D., Powell, R. W., Engelund, W. C., Gnoffo, P. A.,  
 Weilmuenster, K. J., Mitcheltree, R. A., 1995.  
 Mars Pathfinder six-degree-of-freedom entry analysis.  
 Journal of Spacecraft and Rockets, 32(6), 993-1000."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "CLANCYETAL2000"  
 REFERENCE\_DESC = "  
 Clancy, R. T., Sandor, B. J., Wolff, M. J., Christensen, P. R.,  
 Smith, M. D., Pearl, J. C., Conrath, B. J., Wilson, R. J., 2000.  
 An intercomparison of ground-based millimeter, MGS TES, and Viking  
 atmospheric temperature measurements: Seasonal and interannual  
 variability of temperatures and dust loading in the global Mars  
 atmosphere.  
 Journal of Geophysical Research, 105, 9553-9572."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "COLAPRETE&TOON2000"  
 REFERENCE\_DESC = "  
 Colaprete, A., Toon, O. B., 2000. The radiative effects of martian  
 water ice clouds on the local atmospheric temperature profile.  
 Icarus, 145, 524-532."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "COLAPRETEETAL1999"  
 REFERENCE\_DESC = "  
 Colaprete, A., Toon, O. B., Magalhaes, J. A., 1999. Cloud formation  
 under Mars Pathfinder conditions.  
 Journal of Geophysical Research, 104, 9043-9054."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "CONRATHETAL2000"  
 REFERENCE\_DESC = "  
 Conrath, B. J., Pearl, J. C., Smith, M. D., Maguire, W. C.,  
 Christensen, P. R., Dason, S., Kaelberer, M. S., 2000.  
 Mars Global Surveyor Thermal Emission Spectrometer (TES)  
 observations: Atmospheric temperatures during aerobraking  
 and science phasing.  
 Journal of Geophysical Research, 105, 9509-9520."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "CRISPETAL2003"  
 REFERENCE\_DESC = "  
 Crisp, J. A., Adler, M., Matijevic, J. R., Squyres, S. W.,  
 Arvidson, R. E., Kass, D. M., 2003. Mars Exploration Rover mission.

Journal of Geophysical Research, 108, 8061, doi:10.1029/2002JE002038."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "DESAI&KNOCKE2004"  
REFERENCE\_DESC = "

Desai, P. N., Knocke, P. C., 2004. Mars Exploration Rover Entry, Descent, and Landing Trajectory Analysis. American Institute of Aeronautics and Astronautics (AIAA) paper 2004-5092. 42nd AIAA Aerospace Science Meeting, Reno, Nevada, USA."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "DESAI&LEE2004"  
REFERENCE\_DESC = "

Desai, P. N., Lee, W. J., 2004. Entry, Descent, and Landing Scenario for the Mars Exploration Rover Mission. Proceedings of the International Workshop on Planetary Probe Atmospheric Entry and Descent Trajectory Analysis and Science, Lisbon, Portugal, 6-9 October 2003, ESA Special Publication 544, 31-36."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "DESAI&LEE2005"  
REFERENCE\_DESC = "

Desai, P. N., Lee, W. J., 2005. MER EDL Overview and Reconstruction Status. Proceedings of the Second International Planetary Probe Workshop, NASA Ames Research Center, Moffett Field, California, USA, 23-27 August 2004. Published as NASA/CP-2004-213456."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "DESAIETAL2003"  
REFERENCE\_DESC = "

Desai, P. N., Schoenenberger, M., Cheatwood, F. M., 2003. Mars Exploration Rover Six-Degree-of-Freedom Entry Trajectory Analysis. Advances in the Astronautical Sciences, 116(3), 2219-2235."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "DESAIETAL2004"  
REFERENCE\_DESC = "

Desai, P. N., Blanchard, R. C., Powell, R. W., 2004. Entry trajectory and atmosphere reconstruction methodologies for the Mars Exploration Rover mission. Proceedings of the International Workshop on Planetary Probe Atmospheric Entry and Descent Trajectory Analysis and Science, Lisbon, Portugal, 6-9 October 2003, ESA Special Publication 544, 213-220."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "DESAIETAL2005"

REFERENCE\_DESC = "  
Desai, P. N., Schofield, J. T., Lisano, M. E., 2005. Flight  
reconstruction  
of the Mars pathfinder disk-gap-band parachute drag coefficients.  
Journal of Spacecraft and Rockets, 42(4), 672-676."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "FORGETETAL1999"  
REFERENCE\_DESC = "  
Forget, F., Hourdin, F., Fournier, R., Hourdin, C., Talagrand, O.,  
Collins, M., Lewis, S. R., Read, P. L., Huot, J., 1999.  
Improved general circulation models of the Martian atmosphere from  
the surface to above 80 km.  
Journal of Geophysical Research, 104, 24155-24176."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "FULCHIGNONIETAL2002"  
REFERENCE\_DESC = "  
Fulchignoni, M., Ferri, F., Angrilli, F., Bar-Nun, A.,  
Barucci, M. A., Bianchini, G., Borucki, W., Coradini, M.,  
Coustenis, A., Falkner, P., Flamini, E., Grard, R., Hamelin, M.,  
Harri, A. M., Leppelmeier, G. W., Lopez-Moreno, J. J.,  
McDonnell, J. A. M., McKay, C. P., Neubauer, F. H., Pedersen, A.,  
Picardi, G., Pirronello, V., Rodrigo, R., Schwingenschuh, K.,  
Seiff, A., Svedhem, H., Vanzani, V., Zarnecki, J., 2002.  
The characterisation of Titans atmospheric physical properties  
by the Huygens atmospheric structure instrument (HASI).  
Space Science Reviews, 104, 395-431."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "FULCHIGNONIETAL2005"  
REFERENCE\_DESC = "  
Fulchignoni, M., Ferri, F., Angrilli, F., Ball, A. J.,  
Bar-Nun, A., Barucci, M. A., Bettanini, C., Bianchini, G.,  
Borucki, W., Colombatti, G., Coradini, M., Coustenis, A.,  
Debei, S., Falkner, P., Fanti, G., Flamini, E.,  
Gaborit, V., Grard, R., Hamelin, M., Harri, A. M.,  
Hathi, B., Jernej, I., Leese, M. R., Lehto, A.,  
Lion Stoppato, P. F., Lopez-Moreno, J. J., Makinen, T.,  
McDonnell, J. A. M., McKay, C. P., Molina-Cuberos, G.,  
Neubauer, F. M., Pirronello, V., Rodrigo, R.,  
Saggin, B., Schwingenschuh, K., Seiff, A., Simoes, F.,  
Svedhem, H., Tokano, T., Towner, M. C., Trautner, R.,  
Withers, P., Zarnecki, J. C., 2005.  
In situ measurements of the physical characteristics of  
Titans environment. Nature, 438, 785-791."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "GARVINETAL2003"  
REFERENCE\_DESC = "

Garvin, J. B., Weitz, C., Figueroa, O., Crisp, J., 2003.  
Introduction to the special section: Mars Exploration Rover mission  
and landing sites.  
Journal of Geophysical Research, 108, 8060, doi:10.1029/2003JE002072."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "GNOFFO1999"  
REFERENCE\_DESC = "  
Gnoffo, P. A., 1999. Planetary-entry gas dynamics.  
Annual Review of Fluid Mechanics, 31, 459-494."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "GNOFFOETAL1995"  
REFERENCE\_DESC = "  
Gnoffo, P. A., Weilmuenster, K. J., Braun, R. D., Cruz, C. I., 1995.  
Effects of sonic-line transition on aerothermodynamics of the  
Mars Pathfinder probe.  
American Institute of Aeronautics and Astronautics (AIAA) paper  
95-1825. Presented at 13th AIAA Applied Aerodynamics Conference,  
19-22 June 1995, San Diego, California, USA."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "GNOFFOETAL1996"  
REFERENCE\_DESC = "  
Gnoffo, P. A., Weilmuenster, K. J., Braun, R. D., Cruz, C. I., 1996.  
Influence of sonic-line location on Mars Pathfinder probe aerodynamics.  
Journal of Spacecraft and Rockets, 33(2), 169-177."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "GNOFFOETAL1998"  
REFERENCE\_DESC = "  
Gnoffo, P. A., Braun, R. D., Weilmuenster, K. J., Mitcheltree, R. A.,  
Engelund, W. C., Powell, R. W., 1998.  
Prediction and validation of Mars Pathfinder hypersonic database.  
American Institute of Aeronautics and Astronautics (AIAA) paper  
98-2445. Presented at 7th AIAA/ASME Joint Thermophysics and Heat  
Transfer Conference, 15-18 June 1998, Albuquerque, New Mexico, USA."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "GNOFFOETAL1999"  
REFERENCE\_DESC = "  
Gnoffo, P. A., Braun, R. D., Weilmuenster, K. J., Mitcheltree, R. A.,  
Engelund, W. C., Powell, R. W., 1999.  
Prediction and validation of Mars Pathfinder hypersonic database.  
Journal of Spacecraft and Rockets, 36(3), 367-373."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "GOLOMBEKETAL2003"

REFERENCE\_DESC = "  
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., 2003.  
Selection of the Mars Exploration Rover landing sites.  
Journal of Geophysical Research, 108, 8072, doi:10.1029/2003JE002074."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "HABERLEETAL1999"  
REFERENCE\_DESC = "  
Haberle, R. M., Joshi, M. M., Murphy, J. R., Barnes, J. R.,  
Schofield, J. T., Wilson, G., Lopez-Valverde, M.,  
Hollingsworth, J. L., Bridger, A. F. C., Schaeffer, J., 1999.  
General circulation model simulations of the Mars Pathfinder  
atmospheric structure investigation/meteorology data.  
Journal of Geophysical Research, 104, 8957-8974."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "HINSON&WILSON2004"  
REFERENCE\_DESC = "  
Hinson, D. P., Wilson, R. J., 2004. Temperature inversions,  
thermal tides, and water ice clouds in the Martian tropics.  
Journal of Geophysical Research, 109, E01002, doi:10.1029/2003JE002129."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "KASSETAL2004"  
REFERENCE\_DESC = "  
Kass, D. M., Schofield, J. T., Crisp, J., Bailey, E. S.,  
Konefat, E. H., Lee, W. J., Litty, E. C., Manning, R. M.,  
San Martin, A. M., Willis, R. J., Beebe, R. F., Murphy, J. R.,  
Huber, L. F., 2004. PDS volume MERIMU\_0001.  
In: MER1/MER2-M-IMU-4-EDL-V1.0, NASA Planetary Data System."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "KEATINGETAL1998"  
REFERENCE\_DESC = "  
Keating, G. M., Bougher, S. W., Zurek, R. W., Tolson, R. H.,  
Cancro, G. J., Noll, S. N., Parker, J. S., Schellenberg, T. J.,  
Shane, R. W., Wilkerson, B. L., Murphy, J. R., Hollingsworth, J. L.,  
Haberle, R. M., Joshi, M., Pearl, J. C., Conrath, B. J.,  
Smith, M. D., Clancy, R. T., Blanchard, R. C., Wilmoth, R. G.,  
Rault, D. F., Martin, T. Z., Lyons, D. T., Esposito, P. B.,  
Johnston, M. D., Whetzel, C. W., Justus, C. G., Babicke, J. M., 1998.  
The Structure of the Upper Atmosphere of Mars: In Situ Accelerometer  
Measurements from Mars Global Surveyor.  
Science, 279, 1672-1676."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "KNOCKEETAL2004"  
 REFERENCE\_DESC = "  
 Knocke, P. C., Wawrzyniak, G. G., Kennedy, B. M., Desai, P. N.,  
 Parker, T. J., Golombek, M. P., Duxbury, T. C., Kass, D. M., 2004.  
 Mars Exploration Rovers Landing Dispersion Analysis  
 In: American Institute of Aeronautics and Astronautics paper 2004-5093,  
 42nd AIAA Aerospace Science Meeting in Reno, Nevada, USA."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "LEOVY2001"  
 REFERENCE\_DESC = "  
 Leovy, C. B., 2001. Weather and climate on Mars.  
 Nature, 412, 245-249."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "LEOVY&ZUREK1979"  
 REFERENCE\_DESC = "  
 Leovy, C. B., Zurek, R. W., 1979. Thermal tides and Martian dust  
 storms - Direct evidence for coupling.  
 Journal of Geophysical Research, 84, 2956-2968."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "LODDERS&FEGLEY1998"  
 REFERENCE\_DESC = "  
 Lodders, K., Fegley, B., 1998.  
 The planetary scientists companion. Oxford University Press."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "MAGALHAESETAL1999"  
 REFERENCE\_DESC = "  
 Magalhaes, J. A., Schofield, J. T., Seiff, A., 1999.  
 Results of the Mars Pathfinder atmospheric structure investigation.  
 Journal of Geophysical Research, 104, 8943-8956."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "MAKIETAL2003"  
 REFERENCE\_DESC = "  
 Maki, J. N., Bell, J. F., Herkenhoff, K. E., Squyres, S. W.,  
 Kiely, A., Klimesh, M., Schwochert, M., Litwin, T., Willson, R.,  
 Johnson, A., Maimone, M., Baumgartner, E., Collins, A., Wadsworth, M.,  
 Elliot, S. T., Dingizian, A., Brown, D., Hagerott, E. C., Scherr, L.,  
 Deen, R., Alexander, D., Lorre, J., 2003.  
 Mars Exploration Rover Engineering Cameras.  
 Journal of Geophysical Research, 108, 8071, doi:10.1029/2003JE00207."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE

REFERENCE\_KEY\_ID = "MONTABONEETAL2005"  
REFERENCE\_DESC = "  
Montabone, L., Lewis, S. R., Read, P. L., Withers, P., 2005.  
The weather on Mars at the time of MERs and Beagle 2 landing.  
In: European Geosciences Union General Assembly, Abstract  
EGU05-A-09628, Vienna, Austria, April 2005."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "MONTABONEETAL2006"  
REFERENCE\_DESC = "  
Montabone, L., Lewis, S. R., Read, P. L., Withers, P., 2006.  
Reconstructing the weather on Mars at the time of MERs and  
Beagle 2 landing.  
Geophysical Research Letters, 33, L19202, doi:10.1029/2006GL026565."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "MOSSETAL1997"  
REFERENCE\_DESC = "  
Moss, J. N., Wilmoth, R. G., Price, J. M., 1997.  
DSMC simulations of blunt body flows for Mars entries:  
Mars Pathfinder and Mars Microprobe capsules.  
American Institute of Aeronautics and Astronautics (AIAA) paper  
97-2508. Presented at 32nd AIAA Thermophysics Conference, Atlanta,  
Georgia, USA, 23-25 June 1997."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "MOSSETAL1998"  
REFERENCE\_DESC = "  
Moss, J. N., Blanchard, R. C., Wilmoth, R. G., Braun, R. D., 1998.  
Mars Pathfinder rarefied aerodynamics: Computations and Measurements.  
American Institute of Aeronautics and Astronautics (AIAA) paper  
98-0298. Presented at 36th AIAA Aerospace Science Meeting and Exhibit,  
12-15 January 1998, Reno, Nevada, USA."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "MOSSETAL1999"  
REFERENCE\_DESC = "  
Moss, J. N., Blanchard, R. C., Wilmoth, R. G., Braun, R. D., 1999.  
Mars Pathfinder rarefied aerodynamics: Computations and Measurements.  
Journal of Spacecraft and Rockets, 36(3), 330-339."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "MURPHYETAL1990"  
REFERENCE\_DESC = "  
Murphy, J. R., Toon, O. B., Haberle, R. M., Pollack, J. B., 1990.  
Numerical simulations of the decay of Martian global dust storms.  
Journal of Geophysical Research, 95, 14629-14648."  
END\_OBJECT = REFERENCE



OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "NIER&MCELROY1977"  
 REFERENCE\_DESC = "  
 Nier, A. O., McElroy, M. B., 1977.  
 Composition and structure of Mars upper atmosphere - Results from  
 the neutral mass spectrometers on Viking 1 and 2.  
 Journal of Geophysical Research, 82, 4341-4349."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "POLLACKETAL1979"  
 REFERENCE\_DESC = "  
 Pollack, J. B., Colburn, D. S., Flasar, F. M., Kahn, R.,  
 Carlston, C. E., Pidek, D. G., 1979. Properties and effects of dust  
 particles suspended in the Martian atmosphere.  
 Journal of Geophysical Research, 84, 2929-2945."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "RAFKIN&MICHAELS2003"  
 REFERENCE\_DESC = "  
 Rafkin, S. C. R., Michaels, T.I., 2003. Meteorological predictions  
 for 2003 Mars Exploration Rover high-priority landing sites.  
 Journal of Geophysical Research, 108, 8091, doi:10.1029/2002JE002027."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "SCHOENENBERETAL2005A"  
 REFERENCE\_DESC = "  
 Schoenenberger, M., Hathway, W., Yates, L., Desai, P., 2005.  
 Ballistic range testing of the Mars Exploration Rover Entry Capsule.  
 In: American Institute of Aeronautics and Astronautics paper  
 2005-0055, 43rd AIAA Aerospace Sciences Meeting and Exhibit,  
 10-13 January 2005, Reno, Nevada, USA."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "SCHOENENBERETAL2005B"  
 REFERENCE\_DESC = "  
 Schoenenberger, M., Cheatwood, F. M., Desai, P. N., 2005.  
 Static Aerodynamics of the Mars Exploration Rover Entry Capsule.  
 In: American Institute of Aeronautics and Astronautics paper  
 2005-0056, 43rd AIAA Aerospace Sciences Meeting and Exhibit,  
 10-13 January 2005, Reno, Nevada, USA."  
 END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "SCHOFIELDETAL1997"  
 REFERENCE\_DESC = "  
 Schofield, J. T., Barnes, J. R., Crisp, D., Haberle, R. M.,  
 Larsen, S., Magalhaes, J., M., Murphy, J. R., Seiff, A., Wilson, G.  
 1997. The Mars Pathfinder Atmospheric Structure  
 Investigation/Meteorology (ASI/MET) Experiment.  
 Science, 278, 1752-1757."

END\_OBJECT = REFERENCE  
  
 OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "SEIDELMANNETAL2002"  
 REFERENCE\_DESC = "  
 Seidelmann, P. K., Abalakin, V. K., Bursa, M.,  
 Davies, M. E., de Bergh, C., Lieske, J. H., Oberst, J.,  
 Simon, J. L., Standish, E. M., Stooke, P., Thomas, P. C., 2002.  
 Report of the IAU/IAG Working Group on Cartographic Coordinates  
 and Rotational Elements of the Planets and Satellites: 2000.  
 Celestial Mechanics and Dynamical Astronomy, 82, 83-111."  
 END\_OBJECT = REFERENCE  
  
 OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "SEIFF1976"  
 REFERENCE\_DESC = "  
 Seiff, A., 1976. The Viking atmosphere structure experiment -  
 Techniques, instruments, and expected accuracies.  
 Space Science Instrumentation, 2, 381-423."  
 END\_OBJECT = REFERENCE  
  
 OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "SEIFF1993"  
 REFERENCE\_DESC = "  
 Seiff, A., 1993. Mars atmospheric winds indicated by motion of the  
 Viking Landers during parachute descent.  
 Journal of Geophysical Research, 98, 7461-7474."  
 END\_OBJECT = REFERENCE  
  
 OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "SEIFF&KIRK1977"  
 REFERENCE\_DESC = "  
 Seiff, A., Kirk, D. B., 1977. Structure of the atmosphere  
 of Mars in summer at mid-latitudes.  
 Journal of Geophysical Research, 82, 4364-4378."  
 END\_OBJECT = REFERENCE  
  
 OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "SEIFFETAL1973"  
 REFERENCE\_DESC = "  
 Seiff, A., Reese, D. E., Sommer, S. C., Kirk, D. B., Whiting, E. E.,  
 Niemann, H. B., 1973. PAET: An Entry Probe Experiment in the  
 Earths Atmosphere.  
 Icarus, 18, 525-563."  
 END\_OBJECT = REFERENCE  
  
 OBJECT = REFERENCE  
 REFERENCE\_KEY\_ID = "SEIFFETAL1980"  
 REFERENCE\_DESC = "  
 Seiff, A., Kirk, D. B., Young, R. E., Blanchard, R. C.,  
 Findlay, J. T., Kelly, G. M., Sommer, S. C., 1980.  
 Measurements of thermal structure and thermal contrasts in the  
 atmosphere of Venus and related dynamical observations - Results  
 from the four Pioneer Venus probes.

Journal of Geophysical Research, 85, 7903-7933."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "SEIFFETAL1998"  
REFERENCE\_DESC = "  
Seiff, A., Kirk, D. B., Knight, T. C. D., Young, R. E.,  
Mihalov, J. D., Young, L. A., Milos, F. S., Schubert, G.,  
Blanchard, R. C., Atkinson, D., 1998. Thermal structure of Jupiters  
atmosphere near the edge of a 5-micron hot spot in the north  
equatorial belt.  
Journal of Geophysical Research, 103, 22857-22890."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "SMITH2004"  
REFERENCE\_DESC = "  
Smith, M. D., 2004. Interannual variability in TES atmospheric  
observations of Mars during 1999-2003.  
Icarus, 167, 148-165."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "SMITHETAL1993"  
REFERENCE\_DESC = "  
Smith, D. E., Lerch, F. J., Nerem, R. S., Zuber, M. T.,  
Patel, G. B., Fricke, S. K., Lemoine, F. G., 1993.  
An improved gravity model for Mars: Goddard Mars Model 1.  
Journal of Geophysical Research, 98, 20871-20889."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "SMITHETAL2001"  
REFERENCE\_DESC = "  
Smith, M. D., Pearl, J. C., Conrath, B. J., Christensen, P. R., 2001.  
Thermal Emission Spectrometer results: Mars atmospheric thermal  
structure and aerosol distribution.  
Journal of Geophysical Research, 106, 23929-23945."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "SMITHETAL2003"  
REFERENCE\_DESC = "  
Smith, D., Neumann, G., Arvidson, R. E., Guinness, E. A.,  
Slavney, S., 2003. Mars Global Surveyor Laser Altimeter Mission  
Experiment Gridded Data Record IEG025\_A.TAB.  
In: MGS-M-MOLA-5-MEGDR-L3-V1.0, NASA Planetary Data System."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "SPENCERETAL1999"  
REFERENCE\_DESC = "  
Spencer, D. A., Blanchard, R. C., Braun, R. D., Kалlemeyn, P. H.,  
Thurman, S. W., 1999. Mars Pathfinder entry, descent, and landing

reconstruction.  
Journal of Spacecraft and Rockets, 36(3), 357-366."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "SQUYRESETAL2003"  
REFERENCE\_DESC = "  
Squyres, S. W., Arvidson, R. E., Baumgartner, E. T.,  
Bell, J. F., Christensen, P. R., Gorevan, S.,  
Herkenhoff, K. E., Klingelhofer, G., Madsen, M. B.,  
Morris, R. V., Rieder, R., Romero, R. A., 2003.  
Athena Mars Rover science investigation.  
Journal of Geophysical Research, 108, 8062, doi:10.1029/2003JE002121."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "SQUYRESETAL2004A"  
REFERENCE\_DESC = "  
Squyres, S. W., Arvidson, R. E., Bell, J. F., Bruckner, J.,  
Cabrol, N. A., Calvin, W., Carr, M. H., Christensen, P. R.,  
Clark, B. C., Crumpler, L., Des Marais, D. J., dUston, C.,  
Economou, T., Farmer, J., Farrand, W., Folkner, W., Golombek, M.,  
Gorevan, S., Grant, J. A., Greeley, R., Grotzinger, J., Haskin, L.,  
Herkenhoff, K. E., Hviid, S., Johnson, J., Klingelhofer, G.,  
Knoll, A., Landis, G., Lemmon, M., Li, R., Madsen, M. B.,  
Malin, M. C., McLennan, S. M., McSween, H. Y., Ming, D. W.,  
Moersch, J., Morris, R. V., Parker, T., Rice, J. W., Richter, L.,  
Rieder, R., Sims, M., Smith, M., Smith, P., Soderblom, L. A.,  
Sullivan, R., Wanke, H., Wdowiak, T., Wolff, M., Yen, A., 2004.  
The Spirit Rovers Athena Science Investigation at Gusev Crater,  
Mars.  
Science, 305, 794-800."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "SQUYRESETAL2004B"  
REFERENCE\_DESC = "  
Squyres, S. W., Arvidson, R. E., Bell, J. F., Bruckner, J.,  
Cabrol, N. A., Calvin, W., Carr, M. H., Christensen, P. R.,  
Clark, B. C., Crumpler, L., Des Marais, D. J., dUston, C.,  
Economou, T., Farmer, J., Farrand, W., Folkner, W., Golombek, M.,  
Gorevan, S., Grant, J. A., Greeley, R., Grotzinger, J., Haskin, L.,  
Herkenhoff, K. E., Hviid, S., Johnson, J., Klingelhofer, G.,  
Knoll, A., Landis, G., Lemmon, M., Li, R., Madsen, M. B.,  
Malin, M. C., McLennan, S. M., McSween, H. Y., Ming, D. W.,  
Moersch, J., Morris, R. V., Parker, T., Rice, J. W., Richter, L.,  
Rieder, R., Sims, M., Smith, M., Smith, P., Soderblom, L. A.,  
Sullivan, R., Wanke, H., Wdowiak, T., Wolff, M., Yen, A., 2004.  
The Opportunity Rovers Athena Science Investigation at Meridiani  
Planum, Mars.  
Science, 306, 1698-1703."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE

REFERENCE\_KEY\_ID = "TOIGO&RICHARDSON2003"  
REFERENCE\_DESC = "  
Toigo, A. D., Richardson, M. I., 2003.  
Meteorology of proposed Mars Exploration Rover landing sites.  
Journal of Geophysical Research, 108, 8092, doi:10.1029/2003JE002064."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "TYLERETAL1992"  
REFERENCE\_DESC = "  
Tyler, G. L., Balmino, G., Hinson, D. P., Sjogren, W. L.,  
Smith, D. E., Woo, R., Asmar, S. W., Connally, M. J.,  
Hamilton, C. L., Simpson, R. A., 1992. Radio Science Investigations  
With Mars Observer.  
Journal of Geophysical Research, 97, 7759-7779."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "TYLERETAL2000"  
REFERENCE\_DESC = "  
Tyler, G. L., Balmino, G., Hinson, D. P., Sjogren, W. L.,  
Smith, D. E., Woo, R., Armstrong, J. W., Flasar, F. M.,  
Simpson, R. A., Priest, P., 2000. PDS volume MORS\_1006.  
In: MGS-M-RSS-5-SDP-V1.0, NASA Planetary Data System."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "WILSON&RICHARDSO2000"  
REFERENCE\_DESC = "  
Wilson, R. J., Richardson, M. I., 2000. The Martian Atmosphere During  
the Viking Mission, I: Infrared Measurements of Atmospheric  
Temperatures Revisited.  
Icarus, 145, 555-579."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "WITHERSETAL2003A"  
REFERENCE\_DESC = "  
Withers, P., Bougher, S. W., Keating, G. M., 2003.  
The effects of topographically-controlled thermal tides in the  
martian upper atmosphere as seen by the MGS accelerometer.  
Icarus, 164, 14-32."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "WITHERSETAL2003B"  
REFERENCE\_DESC = "  
Withers, P., Towner, M. C., Hathi, B., Zarnecki, J. C., 2003.  
Analysis of entry accelerometer data: A case study of Mars Pathfinder.  
Planetary and Space Science, 51, 541-561."  
END\_OBJECT = REFERENCE

OBJECT = REFERENCE  
REFERENCE\_KEY\_ID = "WITHERS2005"

```

REFERENCE_DESC = "
Withers, P., 2005. Should we believe atmospheric temperatures
measured by entry accelerometers travelling at slow near-sonic speeds?
Proceedings of the Second International Planetary Probe
Workshop, NASA Ames Research Center, Moffett Field, California, USA,
23-27 August 2004. Published as NASA/CP-2004-213456."
END_OBJECT = REFERENCE

OBJECT = REFERENCE
REFERENCE_KEY_ID = "WITHERS&SMITH2006A"
REFERENCE_DESC = "
Withers, P., Smith, M. D., 2006. Atmospheric entry profiles from
the Mars Exploration Rovers Spirit and Opportunity.
Icarus, 185, 133-142. Manuscript as finally published can be found at
/DOCUMENT/WS2006PUB.LBL"
END_OBJECT = REFERENCE

OBJECT = REFERENCE
REFERENCE_KEY_ID = "WITHERS&SMITH2006B"
REFERENCE_DESC = "
Withers, P., Smith, M. D., 2006. Atmospheric entry profiles from
the Mars Exploration Rovers Spirit and Opportunity.
First draft of paper later published as Icarus, 185, 133-142.
Manuscript as first submitted can be found at /DOCUMENT/WS2006SUB.LBL"
END_OBJECT = REFERENCE

OBJECT = REFERENCE
REFERENCE_KEY_ID = "ZUREKETAL1992"
REFERENCE_DESC = "
Zurek, R. W., Barnes, J. R., Haberle, R. M., Pollack, J. B.,
Tillman, J. E., Leovy, C. B., 1992. Dynamics of the atmosphere of Mars.
In: Kieffer, H. H., Jakosky, B. M., Snyder, C. W., Matthews, M. S.
(Eds.), Mars. University of Arizona Press, pp. 835-933."
END_OBJECT = REFERENCE

END

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