

CONFERENCE PROCEEDINGS

Abrams, M. (1992) *Simulation of ASTER data using AVIRIS images*, 3rd Annual JPL Airborne Geoscience Workshop, held in Pasadena, California.

Abrams, M., V. Realmuto, D. Pieri, and L. Glaze (1993) *Recent and future remote sensing methods for observing and monitoring volcanoes*, American Geophysical Union Fall Meeting, held in San Francisco, California.

Abrams, M., A. Kahle, M. Kishino, and H. Tsu (1995) *The EOS Advanced Spaceborne Thermal Emission Reflectance Radiometer (ASTER): High resolution imager*, 3rd Thematic Conference on Remote Sensing for Marine and Coastal Environments, held in Seattle, Washington.

Abrams, M., and R. Bianchi (1996) *Italian National Research Council's MIVIS hyperspectral scanner: Geologic applications*, 11th ERIM Conference on Geologic Applications of Remote Sensing, held in Las Vegas, Nevada.

Abrams, M., M. Kishino, and T. Matsunaga (1997) *Future uses of EOS ASTER data for hydrologic applications*, ERIM 4th International Conference on Remote Sensing for Marine and Coastal Applications, held in Orlando, Florida.

Abrams, M. (1998) *Applications of EOS ASTER data for oceanography*, 5th International Conference on Remote Sensing for Marine and Coastal Environments, held in San Diego, California.

Abrams, M. (1998) *First oceanographic results from EOS-AM1 ASTER instrument*, 5th International Conference on Remote Sensing for Marine and Coastal Environments, held in San Diego, California.

Abrams, M. (1999) *The Advanced Spaceborne Thermal and Reflectance Radiometer (ASTER) on the EOS platform*, American Society of Photogrammetry and Remote Sensing Conference, held in Portland, Oregon.

Abrams, M. (1999) *The ASTER imaging sensor on NASA's Terra Platform*, International Symposium on Spectral Sensing Research, held in Las Vegas, Nevada.

Abrams, M., and A. Kahle (2000) *The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER)*, 2nd EARSeL Workshop on Imaging Spectroscopy, held in Enschede, Netherlands.

Abrams, M. (2000) *Geologic mapping with the MODIS ASTER (MASTER) airborne simulator at Cuprite Nevada*, ERIM 14th International Conference on Applied Geologic Remote Sensing, held in Reno, Nevada.

Abrams, M., and S. Hook (2000) *The MASTER aircraft instrument*, AVIRIS Earth Science and Applications Workshop, held in Pasadena, California.

Abrams, M., and D. Pieri (2000) *Monitoring active volcanoes with ASTER data*, European Geophysical Society Meeting, held in Nice, France.

Abrams, M. (2000) *Oceanographic applications of ASTER*, 6th ERIM International Conference on Remote Sensing for Marine and Coastal Environments, held in Charleston, South Carolina.

Abrams, M., and B. Bailey (2001) *ASTER digital elevation models*, ASPRS Convention, held in St. Petersburg, Florida.

Abrams, M., and H. Murakami (2001) *Digital elevation models created from stereo ASTER data*, SPIE 46th Annual Meeting, held in San Diego, California.

Abrams, M.J., and G.B. Bailey (2001) *Digital elevation models created from stereo Terra ASTER data*, MAPPS-ASPRS Digital Elevation Model Conference, held in St. Petersburg, Florida.

Abrams, M., and D. Pieri (2001) *Monitoring active volcanoes with ASTER data*, SPIE Remote Sensing, held in Toulouse, France.

Abrams, M., L. Alberotanza, and S. Pignatti (2001) *Urban, lagoon and oceanographic monitoring with EO-1 data*, SPIE Remote Sensing Conference, held in Toulouse, France.

Abrams, M., L. Alberotanza, R. Cavalli, S. Pignatti, and V. Tramutoli (2002) *Satellite and airborne remote sensing data to study the Venice Lagoon*, 5th ERIM Airborne Remote Sensing Conference, held in Miami, Florida.

Abrams, M., S. Pignatti, L. Alberotanza, and V. Tramutoli (2002) *Urban mapping in Venice using EO1 ASTER and TM data*, ASTER Applications Workshop, held in Tokyo, Japan.

Abrams, M., S. Pignatti, L. Alberotanza, and V. Tramutoli (2002) *Urban mapping in Venice using EO1 data*, SPIE Remote Sensing Conference, held in Crete, Greece.

Abrams, M., S. Pignatti, L. Alberotanza, and V. Tramutoli (2002) *Urban mapping validation in Venice using satellite and aircraft data*, AGU Fall Meeting, held in San Francisco, California.

Abrams, M., and D. Pieri (2002) *Volcanological monitoring with ASTER data*, SPIE Remote Sensing Conference, held in Crete, Greece.

Abrams, M. (2003) *The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) on NASA's Terra spacecraft*, International Geoscience and Remote Sensing Symposium (IGARSS) '03, held in Toulouse, France.

Abrams, M. (2003) *Natural hazards monitoring with ASTER data*, ASPRS 2003 Annual Conference, held in Anchorage, Alaska.

Abrams, M., S. Pignatti, R. Cavalli, and L. Alberotanza (2003) *Urban mapping in Venice: a comparison of MIVIS and four satellite imagers*, Workshop on Airborne Remote Sensing Applications for Geophysical and Environmental Applications, held in Rome, Italy.

Abrams, M., and D. Pieri (2003) *Volcanic hazards monitoring with ASTER data*, International Geoscience and Remote Sensing Symposium (IGARSS) '03, held in Toulouse, France.

Abtahi, A., A.B. Kahle, E.A. Abbott, A.R. Gillespie, G. Hoover, D. Sabol, G. Yamada, and D. Pieri (2002) *Emissivity changes in basalt cooling after eruption of Pu'u O'o, Kilauea, Hawaii*, AGU 2002 Fall Meeting, held in San Francisco, California.

Adleman, J.N., J.F. Larsen, M.S. Ramsey, R.G. McGimsey, and C.A. Neal (2003) *Analysis of composition and chronology of dome emplacement at Black Peak, Alaska utilizing ASTER remote sensing data and field-based studies*, American Geophysical Union Fall Meeting.

Akasaka, A., M. Ono, and Y. Sakurai (1991) *Short wavelength infrared (SWIR) subsystem design status of ASTER*, Future European and Japanese Remote-Sensing Sensors and Programs, held in Orlando, Florida.

Alley, R. (1998) *Use of MODTRAN in the production of ASTER thermal infrared image data products*, 21st Annual Review Conference of Atmospheric Transmission Models, held in Hanscom Air Force Base, Massachusetts.

Anderson, N., S. Biggar, C. Burkhart, K. Thome, and M. Mavko (2002) *Bidirectional calibration results for the cleaning of Spectralon reference panels*, SPIE Conference #4814, held in Seattle, Washington.

Aoki, Y., H. Ohmae, and S. Kitamura (1991) *Thermal infrared subsystem design status of ASTER*, Future European and Japanese Remote-Sensing Sensors and Programs, held in Orlando, Florida.

Arai, K., S. Mukai, H. Watanabe, T. Tsukada, and T. Tagawa (1992) *Influence due to satellite attitude jitter on estimation of Digital Elevation Model (DEM)*, Environment Observation and Climate Modelling Through International Space Projects. Navigation and Mobile Communications: Image Processing, GIS, and Space-Assisted Mapping.

Arai, H., S. Tsuchida, and K. Thome (1996) *Calibration plan and preliminary field campaign for ASTER*, Advanced and Next Generation Satellites II, held in Taormina, Italy.

Arrowsmith, J.R., G.R. Keller, L. Prashad, M. Diaz, W.L. Stefanov, C. Eisinger, M. Fouch, S. Reynolds, S.M. Richard, and P.A. Pearthree (2002) *A geospatial data system for the transition between the Colorado Plateau and Basin and Range Provinces: An essential tool for basic and applied research in Earth science and urban ecology*, Geological Society of America.

Bailey, G.B. (1999) *Availability and utility for geologic applications of ASTER, MODIS, and Landsat 7 ETM+ data and products*, 13th International Conference on Applied Geologic Remote Sensing Program, held in Vancouver, British Columbia, Canada.

Bailey, B., and M. Abrams (2000) *Evaluation of ASTER data for geologic mapping in semiarid terrain*, ERIM 14th International Conference on Applied Geologic Remote Sensing, held in Reno, Nevada.

Balick, L.K., A. Gillespie, E. Abbott, D. Sabol, A.B. Kahle, C.C. Borel, and M.M. Pendergast (2001) *Multiscale thermal-infrared measurements of the Mauna Loa caldera, Hawaii*, Algorithms for Multispectral, Hyperspectral, and Ultraspectral Imagery VII, held in Orlando, Florida.

Biggar, S.F., and P.N. Slater (1993) *Preflight cross-calibration radiometer for EOS AM-1 platform visible and near-IR sources*, SPIE Remote Sensing Conference, held in Bellingham, Washington.

Biggar, S.F., K.J. Thome, P.R. Spyak, and E.F. Zalewski (1999) *Solar-radiation based calibration in the range 740 to 2400 nm*, Sensors, Systems, and Next-Generation Satellites III, held in Florence, Italy.

Bordi, F., C.J. Scolese, and S.P. Neeck (1997) *EOS AM - Progress, plans, and promise*, 48th IAF International Astronautical Congress, held in Turin, Italy.

Bordi, F., S.P. Neeck, and C.J. Scolese (1999) *Contribution of EOS Terra to Earth science*, Sensors, Systems, and Next-Generation Satellites III, held in Florence, Italy.

Borel, C.C., W.B. Clodius, J.J. Szymanski, and J. Theiler (1999) *Comparing robust and physics-based sea surface temperature retrievals for high resolution, multispectral thermal sensors using one or multiple looks*, Algorithms for Multispectral and Hyperspectral Imagery V, held in Orlando, Florida.

Bothwell, G.W., G.N. Geller, S.A. Larson, A.D. Morrison, and D.A. Nichols (1993) *ASTER, a multinational Earth observing concept*, 2nd International Symposium on Ground Data Systems for Space Mission Operations.

Byrnes, J.M., D.A. Crown, and M.S. Ramsey (2000) *Thermal remote sensing characteristics of basaltic lava flow surface units: Implications for flow field evolution*, Lunar and Planetary Science Conference XXXI.

Carlson, T.N., and T. Schmugge (1999) *Estimating runoff due to urbanization using multispectral satellite data*, Progress in Electromagnetics Research Symposium (PIERS 1999), held in Taipei, Taiwan.

Case, D.W., K.J. Thome, and P.N. Slater (1995) *Facilitating the calibration of the Earth Observing System (EOS) AM-1 sensor data using tools of the EOSDIS core system (ECS)*, AGU 1995 Fall Meeting, held in San Francisco, California.

Chalmers, D., J. Fredley, and C. Scott (1993) *The Earth Observing System AM spacecraft - Thermal control subsystem*, 28th Thermophysics Conference, held in Orlando, Florida.

Chang, Y.L., C.C. Han, K.C. Fan, K.S. Chen, and J.H. Chang (2002) *Modular eigen subspace scheme for high-dimensional data classification with NASA MODIS/ASTER (MASTER) airborne simulator data sets of Pacrim II project*, SPIE, held in Bellingham, Washington.

Chopping, M., T. Schmugge, A. Rango, J.C. Ritchie, W. Kustas, and J.R. Van de Castle (2000) *Impact of structure and composition of shrub-coppice dune landscapes on MASTER reflectance anisotropy*, Remote Sensing and Hydrology 2000, held in Santa Fe, New Mexico.

Chopping, M.J., A. Rango, S. Goslee, T. Schmugge, and J. Ritchie (2002) *Simulation of a grassland-shrubland transition zone landscape images at 650 nm using a simple BRDF model*, International Geoscience and Remote Sensing Symposium (IGARSS) '02, held in Toronto, Canada.

Chrysoulakis, N. (2003) *Integration of Earth observation and in-situ spatial data for the development of a decision support tool for technological risk management*, SPIE - The International Society for Optical Engineering.

Chrysoulakis, N. (2002) *Integration of Earth observation and in-situ spatial data for the development of a decision support tool for technological risk management*, Remote Sensing for Environmental Monitoring, GIS Applications, and Geology II, held in Agia Pelagia, Greece.

Coll, C., T.J. Schmugge, and S.J. Hook (1998) *Atmospheric effects on the temperature emissivity separation algorithm*, SPIE, held in Barcelona, Spain.

Crown, D., J. Byrnes, and M.S. Ramsey (2002) *Compound lava flow fields on planetary surfaces: Hawaiian analogue studies*, American Geophysical Union Fall Meeting.

Dehghani, N. (1998) *The ASTER emergency backup system*, Earth Observing Systems III, held in San Diego, California.

Delany, A.C., and J.A. Businger (1988) *The development of ASTER and the accuracy of flux measurements*, Symposium on Turbulence and Diffusion, held in San Diego, California.

Dmochowski, J.E., S.J. Hook, J.M. Stock, B.P. Hausback, and D.C. Pieri (2001) *Remote sensing of recent volcanism in Baja, California, Mexico*, Geological Society of America Annual Meeting, held in Boston, Massachusetts.

Doi, N., Y. Yamaguchi, H. Muraoka, H. Sekie, T. Narita, T. Obno, R.H. Cohen, D. Wenkert, G.N. Geller, and A.R. Molloy (2001) *ASTER target observation scenario*,

Sensors, Systems, and Next-Generation Satellites IV, held in Barcelona, Spain.

Dwyer, J.L. (2001) *Land processes data for environmental applications and global change studies available from the EROS Data Center Distributed Active Archive Center*, 52nd International Astronautical Congress, held in Toulouse, France.

Edgett, K.S., M.S. Ramsey, and P.R. Christensen (1995) *Aeolian erosion, transport, and deposition of volcanoclastic sands among the shifting sand dunes, Christmas Lake Valley, Oregon: TIMS image analysis*, 5th Annual Airborne Geoscience Workshop, held in Pasadena, California.

Eisinger, C., J. Fink, and M.S. Ramsey (2002) *Determining crystal abundance in glassy lavas: Combining laboratory infrared spectroscopy with remote sensing*, American Geophysical Union Fall Meeting.

Eisinger, C.L., M.S. Ramsey, R.L. Wessels, and J.H. Fink (2000) *Discriminating compositional variations on the silicic domes of Medicine Lake Volcano, CA, with the new airborne hyperspectral MODIS/ASTER simulator*, General Assembly IAVCEI.

Eng, B.T., A.T. Murray, M. Pniel, G. Geller, C. Leff, and A.A. Schwartz (1996) *Implementation of the ASTER science standard data product requirements in the EOSDIS system*, Earth Observing System, held in Denver, Colorado.

Ezaka, T., Y. Kannari, F. Mills, H. Watanabe, M. Sano, and S.H. Chang (1993) *Laboratory test results for an airborne ASTER simulator*, SPIE, held in Bellingham, Washington.

Ezaka, T., and H. Watanabe (1995) *ASTER simulation data for evaluation of Level-1 processing algorithms*, Platforms and Systems, held in Rome, Italy.

Feind, R.E., R.M. Welch, and T.A. Berendes (1996) *ASTER polar cloud mask*, Infrared Spaceborne Remote Sensing IV, held in Denver, Colorado.

French, A.N., T.J. Schmugge, F. Jacob, and K. Ogawa (2002) *Two surface temperature retrieval methods compared over agricultural land*, Remote Sensing for Agriculture, Ecosystems, and Hydrology IV.

French, A.N., T.J. Schmugge, F. Jacob, and J.H. Prueger (2003) *Surface energy balance studies using ASTER thermal infrared data*, 23rd General Assembly of International Union of Geodesy and Geophysics, held in Sapporo, Japan.

French, A.N., T.J. Schmugge, W.P. Kustas, J.H. Prueger, and J.I. MacPherson (2000) *Comparison of surface heat flux estimates over the SGP'97 El Reno site*, American Geophysical Union Spring Meeting, held in Washington, DC.

French, A.N., T.J. Schmugge, and W.P. Kustas (2000) *Heat flux distributions over SGP97 sites*, International Geoscience and Remote Sensing Symposium (IGARSS) 2000, held in Honolulu, Hawaii.

French, A.N., T. Schmugge, and W. Kustas (2000) *Heat flux distributions over SGP97 sites*, Remote Sensing and Hydrology 2000, held in Santa Fe, New Mexico.

French, A.N., T.J. Schmugge, and W.P. Kustas (2001) *Estimating evapotranspiration with ASTER thermal infrared imagery*, International Geoscience and Remote Sensing Symposium (IGARSS) '01, held in Sydney, Australia.

French, A.N., T.J. Schmugge, and W.P. Kustas (2001) *Surface energy balance modeling with ASTER multiband thermal infrared data*, American Geophysical Union 2001 Spring Meeting, held in Boston, Massachusetts.

French, A.N., T.J. Schmugge, and W.P. Kustas (2001) *Surface heat flux modeling with ASTER thermal infrared data*, XXVI General Assembly of the European Geophysical Society, held in Nice, France.

French, A., F. Jacob, T. Schmugge, and W. Kustas (2002) *Comparing two surface energy flux models using ASTER imagery over Jornada, New Mexico*, European Geophysical Society Meeting, held in Nice, France.

Fujisada, H., and A. Ono (1991) *Overview of ASTER design concept*, Future European and Japanese Remote-Sensing Sensors and Programs, held in Bellingham, Washington.

Fujisada, H., and A. Ono (1993) *Anticipated performance of ASTER instrument in EM design phase (elevation model)*, Sensor Systems for the Early Earth Observing System Platforms, held in Orlando, Florida.

Fujisada, H. (1994) *Overview of ASTER instrument on EOS-AM1 platform*, Infrared Spaceborne Remote Sensing II, held in San Diego, California.

Fujisada, H., and H. Watanabe (1995) *ASTER Level-1 data processing concept (Advanced Spaceborne Thermal Emission and Reflection Radiometer)*, Platforms and Systems, held in Rome, Italy.

Fujisada, H. (1995) *Design and performance of ASTER instrument (ASTER - Advanced Spaceborne Thermal Emission and Reflection Radiometer)*, Advanced and Next-Generation Satellites, held in Paris, France.

Fujisada, H., A. Iwasaki, and S. Hara (2001) *ASTER stereo system performance*, 5th Conference on Sensors, Systems, and Next-Generation Satellites, held in Toulouse, France.

Fukue, K., H. Fujisada, and M. Tokunaga (1996) *New approach to ASTER orthoimage generation*, Infrared Spaceborne Remote Sensing IV, held in Denver, Colorado.

Fukushima, M. (1995) *Thermal control system of ASTER. II*, SAE, 25th International Conference on Environmental Systems, held in San Diego, California.

Garbeil, H., and P. Mouginis-Mark (2001) *Derivation of digital elevation models of volcanoes using ASTER*, American Geophysical Union 2001 Spring Meeting, held in Boston, Massachusetts.

Gillespie, A.R. (1992) *Spectral mixture analysis of thermal infrared images: An investigative strategy for EOS*, 29th Plenary Meeting of the Committee on Space Research (COSPAR), held in Washington, DC.

Gillespie, A.R., W.-H. Li, D.G. Gu, J.B. Adams, and A.B. Kahle (1995) *Measuring change in forests with EOS/ASTER*, AGU 1995 Fall Meeting, held in San Francisco, California.

Gillespie, A., T. Matsunaga, S. Rokugawa, and S. Hook (1996) *Temperature and emissivity separation from Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) images*, Infrared Spaceborne Remote Sensing IV, held in Denver, Colorado.

Gillespie, A.R., A.B. Kahle, and A.D. Morrison (1997) *ASTER contributions to Earth systems science*, Land Satellite Information in the Next Decade II: Sources and Applications, held in Bethesda, Maryland.

Gillespie, A., S. Cothorn, R. Alley, and A. Kahle (1998) *In-scene atmospheric characterization and compensation in hyperspectral thermal infrared images*, 7th JPL Airborne Earth Science Workshop, held in Pasadena, California.

Gillespie, A., D. Sabol, B. Gustafson, E. Abbott, and A. Kahle (2001) *Validation of ASTER temperature/emissivity standard products*, International Geoscience and Remote Sensing Symposium (IGARSS) '01, held in Sydney, Australia.

Gillespie, A., A. Kahle, D. Saboll, W. Gustafson, and E. Abbott (2002) *Performance of the ASTER temperature/emissivity separation algorithm*, International Geoscience and Remote Sensing Symposium (IGARSS) '02, held in Toronto, Canada.

Grant, P.S., E.A. Hildum, and M.C. Peck (2000) *MODIS and ASTER airborne simulators system description*, Imaging Spectrometry VI, held in San Diego, California.

Gu, X., F. Jacob, J.F. Hanocq, L. Prevot, A. Olioso, Q. Liu, and X. Li (1999) *Measuring and analyzing the directional variability of the brightness temperature over agricultural canopies from images acquired with an airborne wide-angle thermal IR camera*, Progress in Electromagnetics Research Symposium (PIERS 1999), held in Taipei, Taiwan.

Gustafson, W.T., R. Handcock, A.R. Gillespie, and H. Tonooka (2003) *Image sharpening method to recover stream temperatures from ASTER images*, SPIE - The International Society for Optical Engineering.

Gustafson, W.T., and A. Gillespie (2002) *Onboard processing of orbital hyperspectral thermal infrared images*, IEEE Aerospace Conference, held in Big Sky, Montana.

Gustafson-Bold, C.L., and K.J. Thome (1996) *Cross-calibration of two small footprint sensors*, International Geoscience and Remote Sensing Symposium, held in Lincoln, Nebraska.

Hagihara, Y., Y. Seto, A. Maeda, H. Fujisada, and M. Kato (1997) *Band-to-band registration method for ASTER with multi-telescopes*, Sensors, Systems, and Next-Generation Satellites, held in London, United Kingdom.

Hamilton, G.S. (2001) *ASTER satellite imagery of Antarctica: a new tool for glaciology*, American Geophysical Union 2001 Spring Meeting, held in Boston, Massachusetts.

Hernandez-Baquero, E.D., and J.R. Schott (2000) *Atmospheric compensation for surface temperature and emissivity separation*, Algorithms for Multispectral, Hyperspectral, and Ultraspectral imagery VI, held in Orlando, Florida.

Holmes, J.M., and K.J. Thome (2001) *Comparison of modeled and measured downwelling, diffuse irradiance at a ground-reference calibration test site*, International Geoscience and Remote Sensing Symposium, held in Sydney, Australia.

Hook, S.J., and P.S. Kealy (1992) *Recovering land surface temperatures with thermal infrared multispectral scanner data*, 29th Plenary Meeting of the Committee on Space Research (COSPAR), held in Washington, DC.

Hook, S.J., A.B. Kahle, L.B. Whitbourn, and T.J. Cudahy (1996) *Surface compositional mapping with an active CO₂ laser and a passive multispectral scanner in the thermal infrared*, 2nd International Airborne Remote Sensing Conference and Exhibition, held in San Francisco, California.

Hook, S.J., A.B. Kahle, and J. Myers (1997) *The MODIS/ASTER simulator (MASTER) - A new multispectral airborne imaging spectroradiometer for land surface studies*, 3rd International Airborne Remote Sensing Conference and Exhibition, held in Copenhagen, Denmark.

Hook, S.J., and A. Abtahi (1998) *In-flight validation of thermal infrared data over land*, European Symposium on Remote Sensing, held in Barcelona, Spain.

Hook, S.J., F. Prata, A. Abtahi, and B. Cechet (1999) *Inflight validation of ATSR data using automated validation sites*, International Workshop on Applications of ERS Along Track Scanning Radiometer Data, held in Frascati, Italy.

Hook, S.J., G. Schladow, A. Abtahi, F. Prata, and B. Richards (2000) *Inflight validation of remotely sensed thermal infrared data for hydrological applications*, American Geophysical Union, held in San Francisco, California.

Hook, S.J., L. Rowan, and K. Howard (2000) *Mapping the Gold Butte block with visible through thermal infrared spectroscopy*, 14th International Conference and Workshops on Applied Geologic Remote Sensing, held in Las Vegas, Nevada.

Hook, S.J. (2000) *MASTER - A new instrument for hyperspectral analysis from the visible to thermal infrared*, 2nd EARSeL Workshop on Hyperspectral Imaging, held in Enschede, Netherlands.

Hook, S.J., G. Schladow, A. Abtahi, F. Prata, B. Richards, and S. Palmarsson (2000) *Validation of ASTER and MODIS thermal infrared products*, 6th International Conference Remote Sensing for Marine and Coastal Environments, held in Charleston, South Carolina.

Hook, S., and F. Prata (2001) *Land surface temperature measured by ASTER and MODIS - First results*, 26th General Assembly of the European Geophysical Society, held in Nice, France.

Hook, S.J., L.C. Rowan, K.A. Howard, and K.E. Karlstrom (2001) *Mapping lithological variations with visible to thermal infrared spectroscopy: A case study from Gold Butte, NV (poster)*, Geological Society of America Annual Meeting, held in Boston, Massachusetts.

Hook, S.J., F.J. Prata, A. Abtahi, R.E. Alley, R.C. Richards, and S.G. Schladow (2002) *Cross validation of thermal infrared remotely sensed data in-flight using an automated validation site - Lake Tahoe CA/NV, USA*, 1st International Symposium on Recent Advances in Quantitative Remote Sensing, held in Valencia, Spain.

Ishii, Y. (1991) *Global remote sensing programs in Japan - Special emphasis on Earth resources*, 11th Annual International Geoscience and Remote Sensing Symposium, held in Espoo, Finland.

Isoda, M., T. Takenouchi, M. Kimata, H. Akao, H. Michioka, and M. Ono (1993) *Design challenges of ASTER in shortwave infrared spectral region*, SPIE, held in Bellingham, Washington.

Itoh, M., S. Ueda, H. Tsuchida, and T. Maekawa (1995) *Focal plane technology for Thermal Infrared Radiometer for ASTER*, SPIE, held in Bellingham, Washington.

Iwasaki, A., K. Matsumoto, and H. Fujisada (1998) *Geometric validation plan for ASTER (Advanced Spaceborne Thermal Emission and Reflection Radiometer)*, Sensors Systems, and Next-Generation Satellites II, held in Barcelona, Spain.

Iwasaki, A., H. Fujisada, and S. Tsujimoto (2001) *ASTER geometric performance*, 5th Conference on Sensors, Systems, and Next-Generation Satellites, held in Toulouse, France.

Iwasaki, A., H. Fujisada, and M. Torii (2001) *ASTER initial image evaluation*, Sensors, Systems, and Next-Generation Satellites IV, held in Barcelona, Spain.

Iwasaki, A., H. Fujisada, H. Akao, O. Shindou, and S. Akagi (2001) *Enhancement of spectral separation performance for ASTER/SWIR*, Infrared Spaceborne Remote Sensing IX, held in San Diego, California.

Jacob, F., X.F. Gu, B. Seguin, and A. Olioso (1999) *Estimation of surface fluxes by coupling high spatial resolution Vis - NIR - TIR data and a SVAT model*, Progress in Electromagnetics Research Symposium (PIERS 1999), held in Taipei, Taiwan.

Jacob, F., A. French, T. Schmugge, K. Ogawa, and B. Kustas (2002) *Comparison of two surface energy balance models using ASTER data*, 1st International Symposium of Recent Advances in Quantitative Remote Sensing, held in Valencia, Spain.

Jacob, F., T.J. Schmugge, K. Ogawa, A.N. French, and J.C. Ritchie (2002) *The potentialities of the ASTER sensor for the estimation of surface radiative properties*, 1st International Symposium on Recent Advances in Quantitative Remote Sensing, held in Torrent, Valencia, Spain.

Jacob, F., T. Schmugge, K. Ogawa, A. French, and J. Ritchie (2002) *The potential of the TERRA - ASTER sensor to retrieve radiative properties over semiarid regions*, 1st International Symposium of Recent Advances in Quantitative Remote Sensing, held in Valencia, Spain.

Jones, B., and B. Tolk (2002) *Archiving, processing, and disseminating ASTER products at the USGS EROS Data Center*, Earth Observing Systems VII, held in Seattle, Washington.

Jones, N., A. Brazel, C. Eisinger, S. Harlan, B. Hedquist, S. Grineski, D. Jenerette, L. Larson, M. Lord, J. Parker, L. Prashad, N. Selover, W.L. Stefanov, and D. Zeigler (2003) *Neighborhood ecosystems: Human-vegetation-climate interactions in a desert metropolis*, Central Arizona-Phoenix Long-Term Ecological Research 5th Annual Poster Symposium.

Kääb, A., F. Paul, C. Huggel, H. Kieffer, J. Kargel, and R. Wessels (2002) *Glacier monitoring from ASTER imagery: Accuracy and applications*, International Geoscience Symposium on Remote Sensing (IGARSS) '02, held in Toronto, Canada.

Kahle, A.B., M.J. Abrams, S.J. Hook, D.C. Pieri, M.S. Ramsey, L.C. Rowan, T. Schmugge, and R. Wessels (2001) *Current activity of U.S. ASTER science team*, 6th International Symposium for the Expanding Use of ASTER Data, held in Tokyo, Japan.

Kahle, A.B., J. Schieldge, M. Abrams, and R. Alley (1981) *Some examples of the utility of HCMM data in geologic remote sensing*, International Geoscience and Remote Sensing Symposium (IGARSS) '81, held in Washington, DC.

Kahle, A.B. (1991) *Rock identification using thermal infrared data*, 3rd International Symposium: JERS-1 and Remote Sensing in the Future, held in Tokyo, Japan.

Kahle, A.B. (1991) *Thermal infrared remote sensing of volcanoes*, Quaternary Research Center Seminar Series on Remote Sensing in Quaternary Research, held in University of Washington, Seattle, Washington.

Kahle, A.B., and H. Tsu (1992) *The Advanced Spaceborne Thermal Emission and*

Reflectance Radiometer (ASTER), 6th Australasian Remote Sensing Conference, held in Wellington, New Zealand.

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