

JOURNAL PUBLICATIONS

- Jackson, D.L.**, M. Hughes, and G.A. Wick, 2016: Evaluation of Landfalling Atmospheric Rivers along the U.S. West Coast in Reanalysis Data Sets, *J. Geophys. Res.*, **121**, doi:10.1002/2015JD024412
- Mahoney, K., **D.L. Jackson**, P. Neiman, M. Hughes, L. Darby, G. Wick, A. White, E. Sukovich, and R. Cifelli, 2016: Understanding the role of atmospheric rivers in heavy precipitation in the Southeast US, *Mon. Wea. Rev.*, **144**, doi:10.1175/MWR-D-15-0279.1
- Neiman, P.J., B.J. Moore, A.B. White, G.A. Wick, J. Aikins, **D.L. Jackson**, J.R. Spackman, and F.M. Ralph, 2016: An airborne and ground-based study of a long-lived and intense atmospheric river impacting California during the CalWater-2014 early-start field campaign, *Mon. Wea. Rev.*, **144**, doi:10.1175/MWR-D-15-0319.1
- Jin, X., L. Yu, **D.L. Jackson**, and G.A. Wick, 2015: An improved near-surface specific humidity and air temperature climatology from the SSM/I satellite period, *J. Atmos. Oceanic Technol.*, doi:10.1175/JTECH-D-14-00080.1
- Jackson, D.L.**, and G.A. Wick, 2014: Propagation of uncertainty analysis of CO₂ transfer velocities derived from the COARE gas transfer model using satellite inputs, *J. Geophys. Res. Oceans*, **119**, doi:10.1002/2013JC009271
- Gastineau, G., B.J. Soden, **D.L. Jackson**, C.W. O'Dell, 2014: Satellite-based reconstruction of the tropical oceanic clear sky outgoing longwave radiation and comparison with climate models, *J. Climate*, **27**, doi:10.1175/JCLI-D-13-00047.1
- Jackson, D.L.**, G.A. Wick, and J.E. Hare, 2012: A comparison of satellite-derived carbon dioxide transfer velocities from a physically-based model with GasEx cruise observations, *J. Geophys. Res.*, **117**, C00F13, doi:10.1029/2011JC007329
- Thomas, R.M., K. Lehmann, H. Nguyen, **D.L. Jackson**, D. Wolfe, and V. Ramanathan, 2012: Measurement of turbulent water vapor fluxes using a lightweight unmanned aerial vehicle system, *Atmos. Meas. Tech.*, **5**, 243-257, doi:10.5194/amt-5-243-2012
- Bourassa, M.A., S.T. Gille, **D.L. Jackson**, J.B. Roberts, and G.A. Wick, 2010: Ocean winds and turbulent air-sea fluxes inferred from remote sensing. *Oceanography*, **23**, 36-51.
- Jackson, D.L.**, and G.A. Wick, 2010: Near-surface air temperature retrieval derived from AMSU-A and sea surface temperature observations. *J. Atmos. Oceanic Technol.*, **27**, 1769-1776.
- Roberts, B., C.A. Clayson, F.R. Robertson, and **D.L. Jackson**, 2010: Predicting near-surface characteristics from SSM/I using neural networks with a first guess approach. *J. Geophys. Res.*, **115**, D19113, doi:10.1029/2009JD013099
- Jackson, D.L.**, G.A. Wick, and F.R. Robertson, 2009: Improved multi-sensor approach to satellite-retrieved near-surface specific humidity observations. *J. Geophys. Res.*, **114**, D16303, doi:10.1029/2008JD011341
- Buehler, S.A., M. Kuvatov, V.O. John, M. Milz, B.J. Soden, **D.L. Jackson**, and J. Notholt, 2008: An upper tropospheric humidity data set from operational satellite microwave data. *J. Geophys. Res.*, **113**, D14110, doi:10.1029/2007JD009314
- Castro, S.L., G.A. Wick, **D.L. Jackson**, and W.J. Emery, 2008: Error characterization of infrared and microwave sea surface temperature products for merging and analysis. *J. Geophys. Res.*, **113**, C03010, doi:10.1029/2006JC003829
- Jackson, D.L.**, and B.J. Soden, 2007: Detection and correction of orbital drift on spectral radiances from HIRS/2 observations, *J. Atmos. Oceanic Technol.*, **24**, 1425-1438.
- Jackson, D.L.**, G.A. Wick, and J.J. Bates, 2006: Near-surface retrieval of air temperature and specific humidity using multisensor microwave satellite observations, *J. Geophys. Res.*, **111**, D10306, doi:10.1029/2005JD006431
- Soden, B.J., **D.L. Jackson**, X. Huang, V. Ramaswamy, and M.D. Schwarz, 2005: The radiative signature of upper tropospheric moistening, *Science*, doi:10.1126/science.1115602
- Huang, X., B.J. Soden, and **D.L. Jackson**, 2005: Interannual co-variability of tropical temperature and humidity: a comparison of model, reanalysis data and satellite observations, *Geophys. Res. Lett.*, **32**, L17808, doi:10.1029/2005GL023375
- Smith, D.F., A.J. Gasiewski, **D.L. Jackson**, and G.A. Wick, 2005: Local spatial scales of tropical deep convection inferred from TMI precipitation data. *IEEE Trans. Geosci. Remote Sensing*, **43**, 1542-1551.
- Wylie, D.P., **D.L. Jackson**, W.P. Menzel, and J.J. Bates, 2005: Trends in global cloud cover in 22 years of HIRS observations. *J. Climate*, **18**, 3021-3031.
- Jackson, D.L.** and J.J. Bates, 2001: Upper tropospheric humidity algorithm assessment. *J. Geophys. Res.*, **106**, 32259-32270.
- Bates, J.J., **D.L. Jackson**, and Z. Bergen, 2001: Variability of the upper tropospheric humidity. *J. Geophys. Res.*, **106**, 32271-32282.
- Bates, J.J., and **D.L. Jackson** 2001: Trends in upper tropospheric humidity. *Geophys. Res. Lett.*, **28**, 1695-1698.
- Garand, L. and Co-Authors, 2001: Radiance and Jacobian intercomparison of radiative transfer models applied to HIRS and AMSU channels. *J. Geophys. Res.*, **106**, 24017-24031.
- Bréon, F.-M., **D.L. Jackson**, and J.J. Bates, 2000: Calibration of the Meteosat water vapor channel using coincident NOAA/HIRS-12 measurements. *J. Geophys. Res.*, **105**, 11,925-11,933.
- Soden, B., and Co-Authors, 2000: An intercomparison of radiation codes for retrieving upper tropospheric humidity in the 6.3-micron band: A report from the 1st GVAp workshop. *Bull. Amer. Meteor. Soc.*, **81**, 797-808.
- Bréon, F.-M., **D.L. Jackson**, and J.J. Bates, 1999: Evidence of atmospheric contamination on the measurement of the spectral response of GMS-5 water vapor channel. *J. Atmos. Oceanic Technol.*, **16**, 1851-1853.
- Berg, W., J.J. Bates, and **D.L. Jackson**, 1999: Analysis of upper-tropospheric water vapor brightness temperatures from SSM/T2, HIRS, and GMS-5 VISSR. *J. Appl. Meteor.*, **38**, 580-595.
- Bates, J.J., and **D.L. Jackson**, 1997: A comparison of water vapor observations with AMIP-I simulations. *J. Geophys. Res.*, **102**, 21,837-21,852.
- Bates, J.J., X. Wu, and **D.L. Jackson**, 1996: Interannual variability of upper tropospheric water vapor band brightness temperature. *J. Climate*, **9**, 427-438.
- Stephens, G.L., **D.L. Jackson**, and I. Wittmeyer, 1996: Global observations of upper-tropospheric water vapor derived from TOVS radiance data. *J. Climate*, **9**, 305-326.
- Jackson, D.L.**, and G.L. Stephens, 1995: A study of SSM/I derived columnar water vapor over the global oceans. *J. Climate*, **8**, 2025-2038.

- Stephens, G.L., **D.L. Jackson**, and J.J. Bates, 1994: A comparison of SSM/I and TOVS column water vapor data over the global oceans. *Meteorol. Atmos. Phys.*, **54**, 183-201.
- Greenwald, T.J., G.L. Stephens, T.H. Vonder Haar, and **D.L. Jackson**, 1993: A physical retrieval of cloud liquid water over the global oceans using SSM/I observations. *J. Geophys. Res.*, **98**, 18, 471-18,488.
- Tjemkes, S.A., G.L. Stephens, and **D.L. Jackson**, 1991: Spaceborne observation of columnar water vapor: SSMI observations and algorithm. *J. Geophys. Res.*, **96**, 10,941-10,954.

ORAL PRESENTATIONS

- Neiman, P.J., A.B. White, G.A. Wick, **D.L. Jackson**, and J.R. Spackman, 2015, An airborne and ground-based study of a long-lived and intense atmospheric river impacting California during the CalWater-2014 early-start field campaign, *AGU 2015 Fall Meeting*, San Francisco, CA, December 13-18, 2015.
- Hughes, M., **D. Jackson**, G. Wick, and E. Gutmann, 2014: Objective identification of atmospheric rivers, and implications for extreme precipitation at the basin scale, *AGU 2014 Fall Meeting*, San Francisco, CA, December 15-19, 2014.
- Wick, G.A., S.L. Castro, and **D.L. Jackson**, 2014: Characterizing diurnal warming in satellite sea surface temperature products and its impact on air-sea interactions, *NASA SST Science Team Meeting*, Annapolis, MD, December 3-5, 2014.
- Wick, G.A., and **D.L. Jackson**, 2014: Evaluation of satellite-derived air-sea flux products using dropsonde data, *ESA Earth Observation for Ocean-Atmosphere Interactions Science*, Frascati, Italy, October 28-31, 2014.
- Hughes, M., **D. Jackson**, G. Wick, and E. Gutmann, 2014: Objective identification of atmospheric rivers, and implications for extreme precipitation at the basin scale, *7th International Scientific Conference on the Global Water and Energy Cycle*, The Hague, The Netherlands, July 14-17, 2014.
- Wick, G.A. and **D.L. Jackson**, 2014: Satellite-derived near surface temperature and humidity: recent progress and new validation, *4th JCOMM Workshop on Advances in Marine Climatology*, Asheville, NC, June 9-12, 2014.
- Wick, G.A., and **D.L. Jackson**, 2014: Evaluation of satellite-derived air-sea flux products using dropsonde data. *NASA HS3 Science Meeting*, NASA Research Park, Moffet Field, CA, April 29 - May 1, 2014.
- Wick, G.A., **D.L. Jackson**, and D. Reynolds, 2014: Application and extension of the automated Atmospheric River Detection Tool in HMT, *NOAA Testbeds Meeting*, Washington, D.C., April 16-18, 2014.
- Wick, G.A. and **D.L. Jackson**, 2012: The impact of uncertainties in the input parameters on the uncertainty of satellite-derived flux estimates, *CLIVAR-GSOP Ocean Synthesis and Air-Sea Flux Evaluation Workshop*, Woods Hole, MA, November 27-30, 2012.
- Jackson, D.L.**, and G.A. Wick, 2010: Recent developments on the assessment of gas transfer velocities derived using satellite inputs with the COARE gas transfer model, *17th Conference on Air-Sea Interaction*, Annapolis, MD, September 26-30, 2010.
- Hare, J., **D. Jackson**, T. Bell, M. Johnson, and G. Wick, 2010: Development of global air-sea gas transfer products, *17th Conference on Air-Sea Interaction*, Annapolis, MD, September 26-30, 2010.
- Jackson, D.L.**, and G.A. Wick, 2010: Status on multi-sensor approach to satellite-based retrievals of near-surface humidity and temperature, *US CLIVAR/Seaflux Workshop, Surface Fluxes: Challenges for High Latitudes*, Boulder, CO, March 17-19, 2010.
- Jackson, D.L.**, and G.A. Wick, 2010: Recent developments on the assessment of gas transfer velocities derived using satellite inputs with the COARE gas transfer model, *17th Conference on Air-Sea Interaction*, Annapolis, MD, September 26-30, 2010.
- Gastineau, G., B. Soden, **D. Jackson**, C. O'Dell, and G. Stephens, 2010: The enhancement of clear sky greenhouse effect in HIRS, *EGU General Assembly 2010*, Vienna, Austria, May 2-7, 2010
- Jackson, D.L.**, and G.A. Wick, 2009: Evaluation and comparison of satellite-derived estimates of the gas transfer velocity with direct observations from research vessels, *16th Conference on Satellite Meteorology and Oceanography*, Phoenix, AZ, January 11-15, 2009.
- Wick, G.A., and **D.L. Jackson**, 2008: Evaluation of satellite-derived estimates of the gas transfer velocity using direct observations from research vessels. *AGU 2008 Fall Meeting*, San Francisco, California, December 15-19, 2008.
- Jackson, D.L.**, and G.A. Wick, 2008: Application of Near-surface *In Situ* Oceanic Observations for Improved Satellite-based Retrievals of Near-surface Temperature and Humidity, *2nd Joint GOSUD/SAMOS Workshop*, Seattle, WA, June 10-12, 2008.
- Jackson, D.L.**, G.A. Wick, and F.R. Robertson, 2007: Retrieval, validation, and multi-year analysis of near-surface humidity and temperature from satellite microwave observations from SSM/I, SSM/T-2 and AMSU-A. *2007 EUMETSAT Meteorological Satellite Conference and 15th Satellite Meteorology and Oceanography Conference*, Amsterdam, The Netherlands, September 24-28, 2007.
- Robertson, F.R., B. Roberts, **D.L. Jackson**, G.A. Wick, and T. Miller, 2007: ENSO and Decadal Variability of Ocean Surface Latent Heat Flux As Seen From Passive Microwave Satellite Algorithms. *2007 EUMETSAT Meteorological Satellite Conference and the 15th Satellite Meteorology & Oceanography Conference*, Amsterdam, The Netherlands, September 24-28, 2007.
- Jackson, D.L.**, G.A. Wick, and S.L. Castro, 2006: Impact of error characterization and diurnal warming corrections on multi-sensor SST analyses. *2006 International Geoscience and Remote Sensing Symposium (IGARSS) Annual Meeting & 27th Canadian Symposium on Remote Sensing*, Denver, CO, July 31-August 4, 2006.
- Wick, G.A., S.L. Castro, **D.L. Jackson**, and W.J. Emery, 2006: Error characterization of infrared and microwave sea surface temperature products for merging and analysis. *2006 International Geoscience and Remote Sensing Symposium (IGARSS) Annual Meeting & 27th Canadian Symposium on Remote Sensing*, Denver, CO, July 31-August 4, 2006.
- Jackson, D.L.**, and G.A. Wick, 2006: Impacts of bias corrections and diurnal warming on blended SST Analyses. *GHRSS-PP Science Team Meeting*, Boulder, Colorado, March 27-31, 2006.
- Huang, X., B.J. Soden, and **D.L. Jackson**, 2006: Co-variability of tropical temperature and humidity: a comparison of model, reanalysis data and satellite observation. *AGU 2006 Fall Meeting*, San Francisco, California, December 11-15, 2006.
- Robertson, F.R., G.A. Wick, **D.L. Jackson**, and M.G. Bosilovich, 2006: Interannual variability of tropical ocean evaporation: a comparison of microwave satellite assimilation results. *14th Conference on Interaction of the Sea and Atmosphere*, Atlanta, Georgia, January 30-February 2, 2006.

- Smith, D., A. Gasiewski, **D. Jackson**, and G. Wick, 2004: Spatial Scales of Tropical Precipitation Inferred from TRMM Microwave Imager Data. *19th Conference on Hydrology*, San Francisco, California, January 9-13, 2005.
- Smith, D., A. Gasiewski, **D. Jackson**, and G. Wick, 2004: Spatial Scales of Tropical Precipitation Inferred from TRMM Microwave Imager Data. *AGU 2004 Fall Meeting*, San Francisco, California, December 13-17, 2004.
- Menzel, W.P., D.P. Wylie, **D.L. Jackson** and J.J. Bates, 2004: Using 22 years of HIRS observations to infer global cloud cover. *29th Annual Climate Diagnostics & Prediction Workshop*, Madison, Wisconsin, October 18-21, 2004.
- Wick, G.A., **D.L. Jackson**, S.L. Castro, 2004: Production of an enhanced blended infrared and microwave sea surface temperature product. *2004 International Geoscience and Remote Sensing Symposium (IGARSS) Annual Meeting*, Anchorage, Alaska, September 20-24, 2004.
- Smith, D., A. Gasiewski, **D. Jackson**, and G. Wick, 2004: Local Spatial Scales of Tropical Deep Convection Inferred from TRMM Precipitation Data. *2004 International Geoscience and Remote Sensing Symposium (IGARSS) Annual Meeting*, Anchorage, Alaska, September 20-24, 2004.
- Smith, D., A. Gasiewski, **D. Jackson**, and G. Wick, 2004: Local scales of tropical deep convection inferred from TMI precipitation data. *8th Specialist Meeting on Microwave Radiometry and Remote Sensing Applications*, Rome, Italy, February 24-27, 2004.
- Wylie, D., **D.L. Jackson**, P. Menzel, and J.J. Bates, 2004: Trends in high clouds over the past 22 years. *15th Symposium on Global Change and Climate Variations*, Seattle, Washington, January 11-15, 2004.
- Smith, D., A. Gasiewski, **D. Jackson**, and G. Wick, 2003: Local spatial scales of tropical deep convection inferred from SSM/I precipitation data. *AGU 2003 Fall Meeting*, San Francisco, CA, December 8-12, 2003.

POSTER PRESENTATIONS

- Jackson, D.L.**, and G.A. Wick, 2016: Development of a 28-Year (1987-2014) climatology of single and multi-sensor satellite-based retrievals of near-surface humidity and temperature, *20th Conference on Air-Sea Interactions*, Madison, Wisconsin, August 14-19, 2016.
- Wick, G., **D. Jackson**, and S. Castro, 2016: Characterizing diurnal warming in satellite sea surface temperature products and its impact on air-sea interactions, *NASA Workshop on Coupled Ocean Surface Variables*, Seattle, WA, April 12-14, 2016.
- Jackson, D.L.** and G.A. Wick, 2015: Validation of Satellite-Derived Near-Surface Air Temperature and Humidity using Dropsondes, *19th Conference on Air-Sea Interaction*, Phoenix, Arizona, January 4-8 2015.
- Mahoney, K., **D. Jackson**, E. Sukovich, G. Wick, P. Neiman, R. Cifelli, and A. White, 2014: Atmospheric rivers and the connection to southeast US heavy rainfall events, *2014 AGU Fall Meeting*, San Francisco, CA, December 15-19, 2014.
- Jackson, D.L.** and G.A. Wick, 2014: Recent improvements to a multi-sensor satellite-based retrieval of near-surface humidity, temperature, and surface heat fluxes, *2014 Ocean Sciences Meeting*, Honolulu, Hawaii, February 24-28, 2014.
- Jackson, D.L.** and G.A. Wick, 2013: Analysis of uncertainties in carbon dioxide transfer velocity due to uncertainties in satellite inputs to the COARE gas transfer model, *2013 EUMETSAT Meteorological Satellite Conference and 19th Satellite Meteorology and Oceanography Conference*, Vienna, Austria, September 16-20, 2013.
- Smith, S.R., M.A. Bourassa, J. Rolph, K. Briggs, and **D.L. Jackson**, 2012: SAMOS - Supporting Marine Atmosphere-Ocean Research. *NOAA Ocean Climate Observation 8th Annual PI Meeting*, Silver Spring, MD, June 25-27, 2012.
- Smith, S.R., M.A. Bourassa, J. Rolph, K. Briggs, and **D.L. Jackson**, 2012: SAMOS - Supporting Marine Atmosphere-Ocean Research. *2012 AGU Ocean Sciences Meeting*, Salt Lake City, UT, February 20-24, 2012.
- Jackson, D.L.**, G.A. Wick, and S.R. Smith, 2012: Evaluation of the satellite microwave multi-sensor retrieval of near-surface humidity and temperature using SAMOS observations and implications on satellite-derived heat and gas flux products. *18th Conference on Satellite Meteorology, Oceanography, and Climatology / First Joint AMS-Asia Satellite Meteorology Conference*, New Orleans, LA, January 22-26, 2012.
- Jackson D.L.** and G.A. Wick, 2011: Assessment of satellite-derived air-sea gas transfer velocities. *ESA Meeting on Earth Observation for Ocean-Atmosphere Interaction Science*, Frascati, Italy, November 29 - December 2, 2011.
- Smith, S.R., M.A. Bourassa, J.J. Rolph, K. Briggs, and **D.L. Jackson**, 2011: Observations for climate: Shipboard automated meteorological and oceanographic systems on research vessels. *WCRP OSC Climate Research in Service to Society*, Denver, CO, October 24-28, 2011.
- Jackson, D.L.** and G.A. Wick, 2011: Assessment of gas transfer velocities derived using satellite inputs with the COARE gas transfer model. *CIRES Rendezvous Science Symposium*, Boulder, CO, April 22, 2011.
- Smith, S.R., M. Bourassa, F. Bradley, C. Cosca, C. Fairall, G. Goni, J. Gunn, M. Hood, **D. Jackson**, G. Lagerloef, E. Kent, L. Petit de la Villeon, P. McGillivray, R. Pinker, E. Schulz, J. Sprintall, D. Stammer, G. Wick, A. Wiell, and M. Yelland, 2009: Automated Underway Oceanic and Atmospheric Measurements from Ships, *OceanObs'09*, Venice, Italy, Sep 21-25, 2009.
- Jackson, D.L.**, and G.A. Wick, 2009: Assessment of satellite-derived air-sea transfer velocities, *NASA Ocean Color Research Team Meeting*, New York, NY, May 4-6, 2009.
- Robertson, F.R., T.L. Miller, **D.L. Jackson**, and M. Bosilovich, 2008: Water vapor feedback and links to mechanisms of recent tropical climate variations, *AGU Chapman Conference on Water Vapor and its Role in Climate*, Kailua-Kona, Hawaii, October 20-24, 2008.
- John, V.O., S.A. Buehler, M. Kuvatov, B.J. Soden, and **D.L. Jackson**, 2008: Upper tropospheric humidity data set from operational microwave sounders. *AGU Chapman Conference on Water Vapor and its Role in Climate*, Kailua-Kona, Hawaii, October 20-24, 2008.
- Roberts, B., C.A. Clayson, **D.L. Jackson**, and F.R. Robertson, 2008: Investigating seasonal and interannual variability of latent heat flux using a high resolution satellite product, *AGU Joint Assembly*, Fort Lauderdale, Florida, May 27-30, 2008.
- Wick, G.A., and **D.L. Jackson**, 2008: Preliminary satellite-derived estimates of gas transfer velocity, *2008 Carbon Cycle and Ecosystems Joint Science Workshop*, Adelphi, MD, April 28 - May 2, 2008.
- Jackson, D.L.**, B.J. Soden, and L. Shi, 2007: Examination of the effect of increasing greenhouse gas concentrations on HIRS intercalibrated and diurnally-corrected observations, *2007 EUMETSAT Meteorological Satellite Conference and 15th Satellite Meteorology and Oceanography Conference*, Amsterdam, The Netherlands, September 24-28, 2007.
- Jackson, D.L.**, and B.J. Soden, 2006: A correction to the diurnal sampling bias in HIRS observations using GFDL climate model simulations, *14th Conference on Satellite Meteorology and Oceanography*, Atlanta, Georgia, January 30-February 2, 2006.

- Eleftheratos, K., K. Gierens, and **D. Jackson**, 2004, Upper tropospheric humidity: Climatology and Trends. *COST Action 723 "Cirrus – ISSRs" Meeting*, Oberpfaffenhofen, Germany, October 11-12, 2004.
- Jackson, D.L.** and B. Soden, 2004: The effects of orbital drift on spectral radiances from HIRS observations and GFDL climate model simulations. *13th Conference on Satellite Meteorology and Oceanography*, Norfolk, Virginia, September 20-23, 2004.
- Jackson, D.L.** and G.A. Wick, 2004: Near-surface retrieval of air temperature and specific humidity using multi-sensor microwave satellite observations. *13th Conference on Satellite Meteorology and Oceanography*, Norfolk, Virginia, September 20-23, 2004.
- Wick, G.A., **D.L. Jackson**, and S.L. Castro, 2003: Production of an enhanced blended infrared and microwave sea surface temperature product. *12th Conference on Satellite Meteorology and Oceanography*, Long Beach, California, February 10-13, 2003.
- Jackson, D.L.**, J.J. Bates, and D. Wylie, 2003: The HIRS Pathfinder Radiance data set (1979-2001). *12th Conference on Satellite Meteorology and Oceanography*, Long Beach, California, February 10-13, 2003.
- Wylie, D.P., W.P. Menzel, **D.L. Jackson**, and J.J. Bates, 2003: Trends in high clouds over the last 20 years. *12th Conference on Satellite Meteorology and Oceanography*, Long Beach, California, February 10-13, 2003.
- Jackson, D.L.**, and J.J. Bates, 2000: The TOVS Radiance Pathfinder data set. *Eleventh International TOVS Study Conference*, Budapest, Hungary, September 20-26, 2000.
- Bates, J.J., and **D.L. Jackson**, 2000: Interannual variability and long-term trends in upper tropospheric humidity. *Eleventh International TOVS Study Conference*, Budapest, Hungary, September 20-26, 2000.
- Jackson, D.L.**, and J.J. Bates, 2000: A 20-yr TOVS Pathfinder data set for climate analysis. *Tenth Conference on Satellite Meteorology*, Long Beach, CA, January 10-14, 2000.
- Breon, F.-M., **D.L. Jackson**, and J.J. Bates, 2000: Calibration of the Meteosat water vapor channel using coincident NOAA/HIRS-12 measurements. *Tenth Conference on Satellite Meteorology*, Long Beach, CA, January 10-14, 2000.
- Jackson, D.L.**, and J.J. Bates, 1999: Climate analysis of the TOVS Pathfinder data set. *Tenth International TOVS Study Conference*, Boulder, CO, January 27 - February 2, 1999.

EXTENDED ABSTRACTS

- Wick, G.A., **D.L. Jackson**, S.L. Castro, 2004: Production of an enhanced blended infrared and microwave sea surface temperature product. *2004 International and Remote Sensing Symposium (IGARSS) Annual Meeting*, Anchorage, Alaska, September 20-24, 2004.
- Jackson D.L.**, and B. Soden, 2004: The effects of orbital drift on spectral radiances from HIRS observations and GFDL climate model simulations. *13th Conference on Satellite Meteorology and Oceanography*, Norfolk, Virginia, September 20-23, 2004.
- Jackson D.L.** and G.A. Wick, 2004: Near-surface retrieval of air temperature and specific humidity using multi-sensor microwave satellite observations. *13th Conference on Satellite Meteorology and Oceanography*, Norfolk, Virginia, September 20-23, 2004.
- Wylie, D., **D.L. Jackson**, P. Menzel, and J.J. Bates, 2004: Trends in high clouds over the past 22 years. *15th Symposium on Global Change and Climate Variations*, Seattle, Washington, January 11-15, 2004.
- Jackson, D.L.**, J.J. Bates, and D. Wylie, 2003: The HIRS Pathfinder Radiance data set (1979-2001). *12th Conference on Satellite Meteorology and Oceanography*, Long Beach, California, February 10-13, 2003.
- Wylie, D.W., W.P. Menzel, **D.L. Jackson**, and J.J. Bates, 2003: Trends in high clouds over the last 20 years. *12th Conference on Satellite Meteorology and Oceanography*, Long Beach California, February 10-13, 2003.
- Jackson, D.L.** and J.J. Bates, 2001: Climate analysis with the 21-yr HIRS Pathfinder radiance clear-sky data set. *11th Conference on Satellite Meteorology Oceanography*, Madison, Wisconsin, October 15-18, 2001.
- Jackson, D.L.**, and J.J. Bates, 2000: A 20-yr TOVS Pathfinder data set for climate analysis. *Tenth Conference on Satellite Meteorology*, Long Beach, CA, January 10-14, 2000.
- Bates, J.J., Bergen Z., and **D.L. Jackson**, 2000: Upper tropospheric water vapor observations and modeling - a summary of recent progress. *Eleventh Conference on Global Change Studies*, Long Beach, CA, January 10-14, 2000.
- Berg, W., J.J. Bates, **D.L. Jackson**, and M. Deeter, 1998: Analysis of upper tropospheric water vapor brightness temperatures from SSM/T2 and HIRS. *Proc. Ninth Conference on Satellite Meteorology*, Paris, France, May 25-29, 1998, Amer. Met. Soc.
- Bates, J.J., and **D.L. Jackson**, 1998: Water vapor feedback during an enhanced hydrologic cycle. *Proc. Ninth Symposium on Global Change Studies*, Phoenix, AZ, January 12-16, 1998, Amer. Met. Soc.
- Bates, J.J., and **D.L. Jackson**, 1997: Seasonal and interannual variability of upper tropospheric humidity and clear sky outgoing longwave radiation. *Proc. Ninth Conference on Atmospheric Radiation*, Long Beach, CA, February 2-7, 1997, Amer. Met. Soc.
- Bates, J.J., and **D.L. Jackson**, 1997: A comparison of satellite water vapor observations with model simulations. *Proc. Eighth Symposium on Global Change Studies*, Long Beach, CA, February 2-7, 1997, Amer. Met. Soc., presenting author

OTHER CONTRIBUTIONS

- Witze, A., 2015: CalWater 2015 targets atmospheric rivers off California, *Nature*, **517**, 424-425, (22 January 2015), doi:10.1038/517424a. Contributed image of atmospheric river.
- Fischetti, M., 2013: Before the deluge, *Scientific American*, March 2013, 1pp. Contributed image of atmospheric river.
- Smith S.R., M.A. Bourassa, and **D.L. Jackson**, 2012: Supporting satellite research with data collected by vessels, *Sea Technology*, June 2012, 4pp.
- Berwald, J., 2011: Sky Rivers, *National Geographic*, September 2011, 1pp. Contributed data for atmospheric river image.
- Witze, A., 2011: Rivers in the Sky. *Science News*, February 26, 2011, 2pp. Contributed image of atmospheric river.
- Smith S.R., M.A. Bourassa, E.F. Bradley, C. Cosca, C.W. Fairall, G.J. Goni, J.T. Gunn, M. Hood, **D.L. Jackson**, E.C. Kent, G. Lagerloef, P. McGillivray, L. Petit de la Villeon, R.T. Pinker, E. Schulz, J. Sprintall, D. Stammer, A. Weill, G.A. Wick, and M.J. Yelland, 2009: Automated underway oceanic and atmospheric measurements from ships. *OceanObs'09*, Venice, Italy, September 21-25, 2009. Community White Paper.
- Jackson, D.L.**, G.A. Wick, and F.R. Robertson, 2008: Improved multi-sensor near-surface humidity satellite retrieval. *Flux News*, Issue 5. Newsletter of the WCRP working group on surface fluxes.

Jackson, D.L., 1992: On the role of SSM/I derived precipitable water over the globe and tropical pacific. M.S. Thesis, Colorado State University, 112 pp