

JOURNAL PUBLICATIONS

- Dole, R.M., and Co-Authors, 2018: Advancing Science and Services during the 2015-16 El Niño: The NOAA El Niño Rapid Response Field Campaign, *Amer. Meteor. Soc. Bull.*, doi:10.1175/BAMS-D-16-0219.1, in press.
- 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
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- Smith, D.F., A.J. Gasielski, 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.
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- 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. Let.*, **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.
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- 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.
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- 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.
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- Tjemkes, S.A., G.L. Stephens, and **D.L. Jackson**, 1991: Spaceborne observation of columnar water vapor: SSM/I observations and algorithm. *J. Geophys. Res.*, **96**, 10,941-10,954.

ORAL PRESENTATIONS

- Hobbins, M., A. Hoell, **D. Jackson**, D. McEvoy, I. Rangwala, and H. Yocum, 2021: Who is ready to define flash drought? From definitions to principles, assessing the performance of differing approaches, AMS 35th Conference on Hydrology, virtual, January 10-14, 2021.
- Jackson, D.L.**, M. Hughes, M. Hobbins, R. Cifelli, and R. Webb, 2020: A drought monitoring case study using National Water Model soil moisture and National Soil Moisture Network data, 2020 National Soil Moisture Workshop, Virtual, August 12-13, 2020.
- Wick, G.A., S.L. Castro, and **D.L. Jackson**, 2019: Characterizing extreme diurnal warming in satellite-derived operational sea surface temperature products, 20th GRHSST Science Team Meeting, Frascati, Italy, June 3-7, 2019.
- Hughes, M., **D. Jackson**, K. Sparrow, and F. Salas, 2019: Application of National Water Model for drought monitoring, Sustainable Water Management Conference, Tucson, AZ, March 31-April 3, 2019.
- Wilczak, J.M., K. McCaffrey, C. Draxl, R.M. Banta, J.B. Olson, M.T. Soelunga, L.K. Berg, L. Bianco, A. Choukulkar, I.V. Djalalova, E.P. Grimit, **D.L. Jackson**, J. Kenyon, P. Muradyn, Y. Pichugina, J. Sharp, W.J. Shaw, and R. Worsnop, 2019: Improved Understanding and Modeling of Key Atmospheric Phenomena during WFIP2: Cold Pools, Gap Flows, and Mountain Waves, 10th Conference on Weather, Climate, and New Energy Economy, Phoenix, AZ, January 6-10, 2019.
- Wick, G.A., S.L. Castro, and **D.L. Jackson**, 2018: Characterizing extreme diurnal warming in satellite-derived operational sea surface temperature products, AGU 2018 Fall Meeting, Washington, D.C., December 10-14, 2018.
- Liu, Yuqiong, B. Cosgrove, A. RafieeiNasab, D. Gochis, M. Hughes, and **D. Jackson**, 2018: NOAA National Water Model and Soil Moisture Evaluation, The 5th Satellite Soil Moisture Validation and Application Workshop, Fairfax, VA, October 24-25, 2018.
- Hughes, M., **D. Jackson**, B. Zamora, R. Cifelli, M. Hobbins, and R. Webb, 2018: Development of Prototype National Water Model Products for Drought Monitoring, North America Drought Forum, Calgary, AB, Canada, May 1-3, 2018.
- Wick, G.A., and **D.L. Jackson**, 2018: Dropsonde-based validation of satellite-derived near-surface temperature and specific humidity products, NASA-ESA-SOLAS Workshop on Remote Sensing for Studying the Ocean-Atmosphere Interface, Potomac, MD, March 12-15, 2018.
- Hughes, M., **D. Jackson**, B. Zamora, R. Cifelli, M. Hobbins, R. Webb, K. Mo, J. Meng, D. Dewitt, F. Salas, and K. Sparrow, 2018: Development of Prototype National Water Model Products for Drought Monitoring, 16th Annual Climate Prediction Applications Science Workshop, Fargo, North Dakota, May 22, 2018.
- Hughes, M., **D. Jackson**, B. Zamora, R. Cifelli, M. Hobbins, R. Webb, K. Mo, J. Meng, D. DeWitt, F. Salas, K. Sparrow, and P. Colohan, 2018: Development of Prototype National Water Model Products for Drought Monitoring, 2018 MOISST Workshop, Lincoln, NE, June 4, 2018.
- Hughes, M., **D. Jackson**, B. Zamora, R. Cifelli, M. Hobbins, R. Webb, D. DeWitt, and P. Colohan, 2018: Development of Prototype National Water Model Products for Drought Monitoring, 18th Conference on Mountain Meteorology, Sante Fe, New Mexico, June 24, 2018.
- 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

- Fowler, M., C. Penland, **D.L. Jackson**, and R. Cifelli, 2020, Forecasting Soil Moisture in Northern California using a Linear Inverse Model, *AGU 2020 Fall Meeting*, Virtual Meeting, December 7-11, 2020.
- Fowler, M., C. Penland, **D. Jackson**, and R. Cifelli, 2020, Predictability of Northern California Soil Moisture, *2020 CIRES Rendezvous Science Symposium*, Virtual Meeting, August 14, 2020.
- Hughes, M., **D. Jackson**, R. Cifelli, M. Hobbins, R. Webb, D. Unruh, F. Salas, M. Glaudemans, J. Meng, and H. Wang, 2020, Application of the National Water Model for Drought Monitoring, *19th Conference on Mountain Meteorology*, Virtual Meeting, July 13-17, 2020.
- Wick, G.A., S.L. Castro, and **D.L. Jackson**, 2020: Characterizing extreme diurnal warming in satellite-derived operational sea surface temperature products, *2020 Ocean Sciences Meeting*, San Diego, CA, February 16-21, 2020.
- Jackson, D.L.**, M. Hughes, R. Zamora, R. Cifelli, M. Hobbins, and R. Webb, 2019: Assessing National Water Model and North American Land Data Assimilation soil moisture using National Soil Moisture Network data, *The 2019 National Soil Moisture Workshop*, Manhattan, KS, May 22-24, 2019.
- Jackson, D.L.**, M. Hughes, R. Zamora, R. Cifelli, M. Hobbins, and R. Webb: Characteristics of NWM and NLDAS Soil Moisture Climatological Distributions in the Mediterranean Climate of the Russian River Basin, *33rd Conference on Hydrology*, Phoenix, AZ, January 6-10, 2019.
- Hughes, M., **D.L. Jackson**, B.J. Zamora, R. Cifelli, M. Hobbins, F. Salas, K. Sparrow, R. Webb, D. DeWitt, and P. Colohan, Development of Prototype National Water Model Products for Drought Monitoring, *AGU 2018 Fall Meeting*, Washington, D.C., December 10-14, 2018.

- Hughes, M., **D. Jackson**, R. Zamora, R. Cifelli, M. Hobbs, R. Webb, D. DeWitt, and P. Colohan: Development of Prototype National Water Model Soil Moisture Products for Drought Monitoring, *NOAA General Modeling Meeting and Fair*, College Park, MD, September 10-12, 2018.
- Hughes, M., **D. Jackson**, R. Zamora, R. Cifelli, R.S. Webb, D. DeWitt, and P. Colohan, 2018: Development of prototype national water model soil moisture products for drought monitoring, *32nd Conference on Hydrology*, Austin, TX, January 7-11, 2018.
- Jackson, D.L.**, and G.A. Wick, 2017: Error characteristics of satellite-derived near surface humidity and temperature data set using Global Hawk dropsonde data, *2017 CIRES Rendezvous Science Symposium*, Boulder, CO, May 18, 2017.
- 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.
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