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Education:

Ph.D. Geography, University of Colorado, 1985
M.A. Geography, University of Colorado, 1981
B.S. Physics, University of Massachusetts, 1977, cum laude

Employment:

Physicist, Physical Sciences Laboratory, National Oceanic and Atmospheric Administration (NOAA), Boulder, Colorado. November, 1995-present.

Research Associate, Cooperative Institute for Research in Environmental Sciences, University of Colorado, Boulder. November, 1985- November, 1995.

Research Assistant, Cooperative Institute for Research in Environmental Sciences, University of Colorado, Boulder. January, 1981- August, 1985.

Research Assistant, Institute of Arctic and Alpine Research, University of Colorado. January, 1978- December, 1980.

Teaching Experience:

Affiliate Faculty Member, Department of Atmospheric Sciences, Colorado State University.
Graduate advisor and thesis committee member to four Ph.D. graduate students.

Lecturer, Astrophysical, Planetary, and Atmospheric Sciences (APAS) Department, University of Colorado, Boulder, 1997-2000.
Graduate advisor and thesis committee member to six Ph.D. graduate students.

Instructor, Mountain Research Station, University of Colorado.
Mountain climatology section of Field Techniques Course summers, 1982-1994.
Coordinator, Field Techniques in Environmental Science (EPOB 4630), summers 1991-94.

Graduate Instructor, Department of Geography, University of Colorado.
Geography 320, "Topics in Meteorology". September-December, 1982;
Geography 321, "Topics in Climatology". January-May, 1984.
Co-taught Geography 321, "Topics in Climatology". January-May, 1985.

Teaching Assistant, Department of Geography, University of Colorado.
Labs in climatology and geomorphology, September, 1981-August, 1982.
Assisted teaching of APAS Introduction to Meteorology course, September-December, 1984.

Ph. D. Thesis Adviser for:

Gil Compo, Ph.D. 1995, University of Colorado
Matthew Wheeler, Ph.D. 1998, University of Colorado
Katherine Straub, Ph.D. 2002, Colorado State University
Eileen Hall-McKim, Ph.D. 2007, University of Colorado

Postdoctoral Adviser for:

Paul Roundy, Ph.D. 2003, Pennsylvania State University
Stephanie Leroux, Ph.D. 2009, LTHE Université, Grenoble, France
Juliana Dias, Ph.D. 2010, New York University
Yangxing Zheng, Ph.D. 2007, Texas A&M University
Maria Gehne, Ph.D. 2012, New York University
Naoko Sakaeda, Ph.D. 2015, State University of New York, Albany

Brandon Wolding, Ph.D. 2016, Colorado State University
Yuan-Ming Cheng, Ph.D. 2019, State University of New York, Albany
Pragallva Barpanda, Ph.D. 2020, University of Chicago

Ph. D. Committee Member for:

John Fasullo, Ph.D. 1997, University of Colorado
David Lawrence, Ph.D. 1999, University of Colorado
Flore Mounier, Ph.D. 2005, École Polytechnique, Paris.
Ademe Mekonnen, Ph.D. 2007, State University of New York, Albany
Maryam Namazi, Ph.D. 2011, University of Victoria, Victoria, British Columbia
Maria Gehne, Ph.D. 2012, Courant Institute of Mathematical Sciences, New York University
Michael Ventrice, Ph.D. 2012, State University of New York, Albany
Kyle MacRitchie, Ph.D. 2014, State University of New York, Albany
Naoko Sakaeda, Ph.D. 2015, State University of New York, Albany
Brandon Wolding, Ph.D. 2016, Colorado State University, Fort Collins
Forest Cannon, Ph.D. 2016, University of California, Santa Barbara
Chengji Liu, Ph.D. 2017, Colorado State University, Fort Collins
Yuan-Ming Cheng, Ph.D. 2019, State University of New York, Albany
Emily Bercos-Hickey, Ph.D. 2019, University of California, Davis
Jason West, Ph.D. 2019, University of Colorado
Ahmed Shaaban, Ph.D. 2021, State University of New York, Albany
Danni Du, University of Colorado
Roseanna McKay, Monash University

Awards and Distinctions:

Jule G. Charney Medal, 2022, American Meteorological Society, *“For original, insightful contributions in understanding the codependency of tropical dynamics and convection”*

Bernhard Haurwitz Memorial Lecturer, 2018, American Meteorological Society, *“For influential observational studies of tropical-extratropical wave dynamics and leadership in the field of large-scale tropical meteorology”*

Fellow, American Meteorological Society, 2016.

Distinguished Chair, Pacific Institute of Mathematics (PIMS), lecturing at the University of Victoria for three weeks, July, 2010.

Outstanding Scientific Paper Award from NOAA, 2000, for the paper: Kiladis, G. N., 1998: Observations of Rossby waves linked to convection over the eastern tropical Pacific. *J. Atmos. Sci.*, **55**, 321-339.

Recipient of the University of Colorado graduate student award for teaching excellence, May, 1984.

Professional Activities:

Affiliate Faculty Member, Department of Atmospheric Science, Colorado State University.

Member, American Meteorological Society History Committee, January 2017-January 2020.

Editor, Journal of the Atmospheric Sciences, January 2000-June 2003.

Editorial Board, Mathematics of Climate and Weather Forecasting, 2014-2020.

Editorial Board, Dynamics of Atmospheres and Oceans, 2003-present.

Member, Program committee, 33rd Conference on Hurricanes and Tropical Meteorology, sponsored by the American Meteorological Society, held in Ponte Vedra, Florida, April, 2018.

Member, Program Committee, 32nd Conference on Hurricanes and Tropical Meteorology, sponsored by the American Meteorological Society, held in San Juan, Puerto Rico, April 2016.

Professional Activities (continued):

Member, Program Committee, 11th International Conference on Southern Hemisphere Meteorology and Oceanography, sponsored by the American Meteorological Society, held in Santiago, Chile, October 2015.

Member, American Meteorological Society Committee on Atmospheric and Oceanic Fluid Dynamics, February 2007-January 2013.

Member, Program Committee, 19th Conference on Atmospheric and Oceanic Fluid Dynamics, sponsored by the American Meteorological Society, held June 2013, Newport, Rhode Island.

Co-Convener, Special Sessions on "Equatorial Dynamics", held at the AGU Fall Meeting, December 2012-2016.

Co-organizer, with Mitch Moncrieff and Lance Bosart, of the NCAR Advanced Study Program Colloquium "The Weather-Climate Intersection: Advances and Challenges", held June 4-22, 2012, Boulder, Colorado

Chair, External Advisory Panel for the Center for Multi-Scale Modeling of Atmospheric Processes, a National Science Foundation Science and Technology Center at Colorado State University, August 2009-August 2011.

Expert Reviewer, IPCC Working Group 1 5th Assessment Report.

Contributing Author, Chapter 3, IPCC Working Group 1 4th Assessment Report.

Co-organizer, with Joseph Biello and Boualem Khouider, of the workshop "Waves and Multiscale Processes in the Tropics", held December 6-10, 2010 at the American Institute of Mathematics, Palo Alto, California.

Chair, Program Committee, 17th Conference on Atmospheric and Oceanic Fluid Dynamics, sponsored by the American Meteorological Society, held June 2009, Stowe, Vermont.

Member, Program Committee, 9th International Conference on Meteorology and Oceanography of the Southern Hemisphere, sponsored by the American Meteorological Society, held February 2009, Melbourne, Australia.

Convener, Special Session on "Dynamics of Convectively-Coupled Equatorial Waves and the Madden-Julian Oscillation", 24th IUGG Conference, held in Perugia, Italy, July 2007.

Co-Convener, Special Session on "Dynamics of the Southwest Pacific Ocean and the South Pacific Convergence Zone (SPCZ)", held at the AGU Fall Meeting, December 2007.

Member, Program Committee, 8th International Conference on Southern Hemisphere Meteorology and Oceanography, sponsored by the American Meteorological Society, held in Iguazu Falls, Brazil, 2006.

Co-author of the THORPEX/WWRP document "Toward a Seamless Process for the Prediction of Weather and Climate: The advancement of sub-seasonal to seasonal prediction", January 2006.

Editor, with Brian Mapes, of "Convective Life Cycles and Scale Interactions in Tropical Waves", special issue of Dynamics of Atmospheres and Oceans, December 2006.

Member, NCAR Mesoscale and Microscale Meteorology Advisory Committee, 2005.

Chair, American Meteorological Society Committee on Meteorology and Oceanography of the Southern Hemisphere, January 2001-January 2004 (member January 1998-January 2004).

Member, CLIVAR U.S. Pacific Implementation Panel, May 2000-December, 2003.

Member, Organizing committee, International CLIVAR Pacific Implementation Workshop, held in Honolulu, February, 2001.

Co-author, Working Group Report on Broadscale Atmospheric Sampling for Pacific CLIVAR, February, 2001.

Member, NOAA THORPEX Science Steering Committee, October 2002-September, 2004.

Review Panel, NOAA Pan American Climate Studies, May-August, 2003.

Professional Activities (continued):

Contributor, U.S. THORPEX Proposal to the WWRP/WGNE, September, 2001.

Member, Organizing committee, CLIVAR Pacific Implementation Workshop, January 2001.

Lecturer, NCAR ASP summer colloquium on the Tropical Atmosphere and Ocean, July 9-20, 2001

Member, Program Committee for the 6th International Conference on Southern Hemisphere Meteorology and Oceanography, sponsored by the American Meteorological Society, held in Santiago, Chile, 2000.

Member, Program committee, 6th Conference on Climate Variations, sponsored by the American Meteorological Society, Nashville Tennessee, January, 1994.

Member, Organizing committee, 18th Annual Climate Diagnostics Workshop, Boulder, November, 1993.

Publications:

Cheng, Y.-M, S. Tulich, G. N. Kiladis, and J. Dias, 2022: Two extratropical pathways to forcing tropical convective disturbances. *J. Climate*, (submitted).

Wallace, J. M., and G. N. Kiladis, 2022: Chapter 19: Higher frequency tropical weather systems, and Chapter 20: Warm core tropical vortices. In: *The Atmospheric General Circulation*, by J. M. Wallace, D. S. Battisti, D. W. J. Thompson, and D. L. Hartmann, Cambridge University Press, (in review).

Gehne, M., B. Wolding, J. Dias, and G. N. Kiladis, 2022: Diagnostics of tropical variability for numerical weather forecasts. *Wea. Forecasting*, (accepted with revisions).

Berrington, A. H., N. Sakaeda, J. Dias, and G. N. Kiladis, 2022: Relationships between the eastward propagation of the Madden-Julian Oscillation and its circulation structure. *J. Geophys. Res.*, (accepted with revisions).

Knippertz, P., M. Gehne, G. N. Kiladis, K. Kikuchi, A. R. Satheesh, P. E. Roundy, G. -Y. Yang, N. Zagar, J. Dias, A. H. Fink, J. Methven, A. Schlueter, F. Sielmann, M. C. Wheeler, 2022: The intricacies of identifying equatorial waves. *Quart. J. Roy. Met. Soc.*, (in press).

Wolding, B., S. W. Powell, F. Ahmed, J. Dias, M. Gehne, G. N. Kiladis, and D. Neelin, 2022: Tropical thermodynamic-convection coupling in observations and reanalyses. *J. Atmos. Sci.*, **79**, doi.org/10.1175/JAS-D-21-0256.1.

Hsiao, W.-T, E. A. Barnes, E. D. Maloney, S. N. Tulich, J. Dias, and G. N. Kiladis 2022: Role of the Tropics and its Extratropical Teleconnections in State-Dependent Improvements of U.S. West Coast UFS Precipitation Forecasts. *Geophys. Res. Lett.*, **49**, doi.org/10.1029/2021GL096447.

Wang, S., Z. K. Martin, A. H. Sobel, M. K. Tippett, J. Dias, G. N. Kiladis, H. -L Ren, and J. Wu, 2022: A multivariate index for tropical intraseasonal oscillations based on the seasonally-varying modal structures. *J. Geophys. Res.*, **127**, doi.org/10.1029/e2021JD035961.

Tulich, S. N., and G. N. Kiladis, 2021: On the regionality of moist Kelvin waves and the MJO: The role of the background zonal flow. *J. Adv. Model. Earth Syst.* doi: 10.1029/2021MS002528.

Huaman, L., E. D. Maloney, C. Schumacher, and G. N. Kiladis, 2021: Easterly waves in the east Pacific during the OTREC 2019 field campaign. *J. Atmos. Sci.*, **78**, 4071-4088.

Dias, J., S. N. Tulich, M. Gehne, and G. N. Kiladis, 2021: Tropical origins of weeks 2-4 forecast errors during Northern Hemisphere cool season. *Mon. Wea. Rev.*, **149**, 2975-2991.

Mayta, V. C., G. N. Kiladis, J. Dias, P. L. Silva Dias, and M. Gehne, 2021: Convectively coupled Kelvin waves over South America. *J. Climate*, **34**, 6531-6547.

Hoffmann, C. G., G. N. Kiladis, M. Gehne, and C. von Savigny, 2021: mjoindices: A Python package for the calculation of the OLR-based index of the Madden-Julian-Oscillation (OMI) for use in atmospheric and climate science and in weather forecasting. *J. Open Res. Software*, **9**, doi:10.5334/jors.331.

- Anstey, J. A., L. J. Gray, M. Fujiwara, I. Ivanciu, Y. Kawatani, G. Kiladis, Y. -H. Kim, P. Martineau, V. Schenzinger, S. Tegtmeier, and C. Wright, 2021: Chapter 9: Quasi-Biennial Oscillation. In: SPARC Reanalysis Intercomparison Project Report, M. Fujiwara, L. J. Gray and G. Manney, editors. doi:10.17874/800dee57d13, 389-488.
- Albers, J. R., A. H. Butler, M. L. Breeden, A. O. Langford, and G. N. Kiladis, 2021: Subseasonal prediction of springtime Pacific-North American transport using upper-level wind forecasts. *Weather Clim. Dynam.* **2**, 433-452.
- Anselmo, E. M., L. A. Machado, C. Schumacher, and G. N. Kiladis, 2021: Amazonian mesoscale convective systems: Life cycle and propagation characteristics. *Int. J. Climatol.*, **41**, 3968-3981.
- Haynes, P., P. Hitchcock, M. Hitchman, S. Yoden, H. H. Hendon, G. N. Kiladis, K. Kodera, and I. Simpson, 2021: The influence of the stratosphere on the tropical troposphere. *J. Meteor. Soc. Japan*, **99**, 803-845.
- Pahlavan, H. A., Q. Fu, J. M. Wallace, and G. N. Kiladis, 2021: Revisiting the Quasi-Biennial Oscillation as seen in ERA5. Part I: Description and momentum budget. *J. Atmos. Sci.*, **78**, 673-691.
- Pahlavan, H. A., Q. Fu, J. M. Wallace, and G. N. Kiladis, 2021: Revisiting the Quasi-Biennial Oscillation as seen in ERA5. Part II: Evaluation of waves and wave forcing. *J. Atmos. Sci.*, **78**, 693-707.
- Serra, Y. L., A. Rowe, D. K. Adams, and G. N. Kiladis, 2020: Kelvin waves during GOAmazon and their relationship to deep convection. *J. Atmos. Sci.*, **77**, 3533-3550.
- Sakaeda, N., J. Dias, and G. N. Kiladis, 2020: The unique characteristics and potential mechanisms of the MJO-QBO relationship. *J. Geophys. Res.*, doi:10.1029/2020JD033196.
- Huaman, L., C. Schumacher, and G. N. Kiladis, 2020: Eastward propagating disturbances in the tropical Pacific. *Mon. Wea. Rev.*, **148**, 3713-3728.
- Holt, L., F. Lott, R. R. Garcia, G. N. Kiladis et al., 2020: An evaluation of tropical waves and wave forcing of the QBO in the QBOi models. *Quart. J. Roy. Met. Soc.*, doi:10.1002/qj.3827.
- Wolding, B., J. Dias, G. N. Kiladis, F. Ahmed, E. Maloney and M. Branson, 2020: Interactions between moisture and tropical convection. Part I: Convective lifecycle and spatiotemporal dependence. *J. Atmos. Sci.*, **77**, 1783-1799.
- Wolding, B., J. Dias, G. N. Kiladis, E. Maloney and M. Branson, 2020: Interactions between moisture and tropical convection. Part II: The convective coupling of equatorial waves. *J. Atmos. Sci.*, **77**, 1801-1819.
- Sakaeda, N., G. N. Kiladis, and J. Dias, and, 2020: The diurnal cycle of rainfall and the convectively-coupled equatorial waves over the Maritime Continent. *J. Climate*, **33**, 3307-3331.
- Shi, X, G. N. Kiladis, and M. Wen, 2020: Diagnostics of westward propagating East Asian monsoon low-pressure systems that reach the Indian monsoon region. *Climate Dyn.*, **54**, 987-1005.
- Camberlin, P., W. Gitau, G. N. Kiladis, E. Bosire, and B. Pohl, 2019: Intraseasonal to interannual modulation of diurnal precipitation distribution over Eastern Africa. *J. Geophys. Res.*, **124**, 11,863-11,886.
- Bengtsson, L., et al., 2019: Convectively coupled equatorial wave simulations using the ECMWF IFS and the NOAA GFS cumulus convection schemes in the NOAA GFS model. *Mon. Wea. Rev.*, **147**, 4005-4025.
- Kim, Y. -H., G. N. Kiladis, J. R. Albers, J. Dias, M. Fujiwara, J. W. Anstey, I. -S. Song, C. J. Wright, Y. Kawatani, F. Lott, and C. Yoo, 2019: Comparison of equatorial wave activity in the tropical tropopause layer and stratosphere represented in reanalysis. *Atm. Chem. Phys.*, **19**, 10,027-10,050.
- Dias, J., and G. N. Kiladis, 2019: The influence of tropical forecast errors on higher latitude predictions. *Geophys. Res. Lett.*, **46**, 4450-4459.
- Cheng, Y.-M., C. D. Thorncroft, and G. N. Kiladis, 2019: Two contrasting African easterly wave behaviors. *J. Atmos. Sci.*, **76**, 1753-1768.
- Dias, J., M. Gehne, G. N. Kiladis, N. Sakaeda, P. Bechtold, and T. Haiden, 2018: Equatorial waves and the skill of NCEP and ECMWF numerical weather prediction systems. *Mon. Wea. Rev.*, **146**, 1763-1784.

- Kim, J.-E., C. Zhang, G. N. Kiladis, and P. Bechtold, 2018: Heating and moistening of the MJO during DYNAMO in ECMWF forecasts. *J. Atmos. Sci.*, **75**, 1429-1452.
- Sakaeda, N., S. W. Powell, J. Dias, and G. N. Kiladis, 2018: The diurnal variability of precipitating cloud populations during DYNAMO. *J. Atmos. Sci.*, doi:10.1175/JAS-D-17-0312.1. *J. Atmos. Sci.*, **75**, 1307-1326.
- Dole, R., et al., 2018: Advancing science and services during the 2015-16 El Niño: The NOAA El Niño Rapid Response Field Campaign. *Bull. Amer. Meteor. Soc.*, **99**, 975-1001.
- Kikuchi, K., G. N. Kiladis, J. Dias, and T. Nasuno, 2018: Convectively coupled equatorial waves during CINDY/DYNAMO: Slow Kelvin waves as building blocks. *Clim. Dyn.*, **146**, 4211-4230.
- Albers, J. R., J. Perlwitz, G. N. Kiladis, Z. Lawrence, A. H. Butler, T. Birner, G. L. Manney, A. O. Langford, and J. Dias, 2018: Mechanisms governing interannual stratosphere to troposphere ozone transport. *J. Geophys. Res.*, **123**, 234-260.
- Alvarez, M. S., Vera, C. S., and G. N. Kiladis, 2017: MJO modulating the activity of the leading mode of intraseasonal variability in South America. *Atmosphere*, **8**, 232; doi: 10.3390/atmos8120232.
- Vera, C. S., M. S. Alvarez, P. L. M. Gonzalez, B. Liebmann and G. N. Kiladis, 2017: Seasonal cycle of precipitation variability in South America on intraseasonal time scales. *Clim. Dyn.*, doi: 10.1007_s00382-017-3994-1.
- Dias, J., N. Sakaeda, G. N. Kiladis, and K. Kikuchi, 2017: Influences of the MJO on space-time tropical convection organization. *J. Geophys. Res.*, **122**, 8012-8032.
- Sakaeda, N., G. N. Kiladis, and J. Dias, 2017: The diurnal cycle of tropical cloudiness and rainfall associated with the Madden-Julian Oscillation. *J. Climate*, **30**, 3999-4020.
- Cannon, F., L. M. Carvalho, C. Jones, A., J. Norris, B. Bookhagen, and G. N. Kiladis, 2017: Effects of topographic smoothing on the simulation of winter precipitation in high mountain Asia. *J. Geophys. Res.*, **122**, 1456-1474.
- Gehne, M., T. M. Hamill, G. N. Kiladis, and K. Trenberth, 2016: Comparison of global precipitation estimates across a range of temporal and spatial scales. *J. Climate*, **29**, 7773-7795.
- Albers, J. R., G. N. Kiladis, J. Dias, and T. Birner, 2016: Tropical upper tropospheric potential vorticity intrusions during sudden stratospheric warmings. *J. Atmos. Sci.*, **73**, 2361-2384.
- Takayabu, Y. N., G. N. Kiladis, and V. Magaña, 2016: Michio Yanai and tropical waves. Multiscale convection-coupled systems in the tropics. Chapter 3, Yanai Memorial Volume. *Meteor. Monographs*, American Meteorological Society, Boston. doi: 10.1175/AMSMONOGRAPHS-D-15-0019.1.
- Cannon, F., L. M. Carvalho, C. Jones, A. Hoell, J. Norris, G. N. Kiladis, and A. A. Tahir, 2016: The influence of tropical forcing on extreme winter precipitation in the western Himalaya. *Clim. Dyn.*, **48**, 1213-1232.
- van der Linden, R., A. H. Fink, J. G. Pinto, T. Phan-Van, and G. N. Kiladis, 2016: Modulation of daily rainfall in southern Vietnam by the Madden-Julian Oscillation and convectively coupled equatorial waves. *J. Climate*, **29**, 5801-5820.
- Kiladis, G. N., J. Dias, and M. Gehne, 2016: The relationship between equatorial mixed Rossby-gravity and eastward inertio-gravity waves: Part I. *J. Atmos. Sci.*, **73**, 2123-2145.
- Dias, J., and G. N. Kiladis, 2016: The relationship between equatorial mixed Rossby-gravity and eastward inertio-gravity waves: Part II. *J. Atmos. Sci.*, **73**, 2147-2163.
- Alvarez, M. S., C. S. Vera, G. N. Kiladis and B. Liebmann, 2015: Influence of the Madden Julian Oscillation on precipitation and surface air temperature in South America. *Clim. Dyn.*, **42**, 3253-3269.
- Dias, J., and G. N. Kiladis, 2014: Influence of the basic state zonal flow on convectively coupled equatorial waves. *Geophys. Res. Lett.*, **41**, doi: 10.1002/2014GL061476.
- Serra, Y. L., X. Jiang, B. Tian, J. A. Amador, E. D. Maloney, and G. N. Kiladis, 2014: Tropical intraseasonal modes of the atmosphere. *Ann. Rev. Environ. Resources*, **39**, 189-215.

- Kiladis, G. N., J. Dias, K. H. Straub, M. C. Wheeler, S. N. Tulich, K. Kikuchi, K. M. Weickmann, and M. J. Ventrice, 2014: A comparison of OLR and circulation-based indices for tracking the MJO. *Mon. Wea. Rev.*, **142**, 1697-1715.
- Dole, R., M. Hoerling, A. Kumar, J. Eischeid, J. Perlwitz, X.-W. Quan, G. Kiladis, R. Webb, D. Murray, M. Chen, K. Wolter, and T. Zhang, 2014: The making of an extreme event: Putting the pieces together. *Bull. Amer. Meteor. Soc.*, **95**, 427-440.
- Hamill, T. M. and G. N. Kiladis, 2014: Skill of the MJO and Northern Hemisphere blocking in GEFS medium-range reforecasts. *Mon. Wea. Rev.*, **142**, 868-885.
- Ventrice, M. J., M. C. Wheeler, H. H. Hendon, C. J. Schreck, C. D. Thorncroft, and G. N. Kiladis, 2013: A modified multivariate Madden Julian Oscillation index using velocity potential. *Mon. Wea. Rev.*, **141**, 4197-4210.
- Dias, J., P. L. Silva Dias, G. N. Kiladis, and M. Gehne, 2013: Modulation of shallow water equatorial waves due to a varying equivalent height background. *J. Atmos. Sci.*, **70**, 2726-2750.
- Ryoo, J. -M., Y. Kaspi, D. W. Waugh, G. N. Kiladis, D. E. Waliser, E. J. Fetzer, and J. Kim, 2013: Impact of Rossby wave breaking on U.S. west coast winter precipitation during ENSO events. *J. Climate*, **26**, 6360-6382.
- Alvarez, M. S., C. S. Vera, G. N. Kiladis and B. Liebmann, 2013: Intraseasonal variability in South America during the cold season. *Clim. Dyn.*, doi:10.1007/s00382-013-1872-z.
- Dias, J., S. Leroux, S. N. Tulich, and G. N. Kiladis, 2013: How systematic is organized tropical convection within the MJO? *Geophys. Res. Lett.* **40**, 1420-1425. doi:10.1002/grl.50308.
- Newman, M., G. N. Kiladis, K. M. Weickmann, F. M. Ralph, and P. D. Sardeshmukh, 2012: Relative contributions of synoptic and low-frequency eddies to time-mean atmospheric moisture transport, including the role of atmospheric rivers. *J. Climate*, **25**, 7341-7361.
- Tulich, S. N., and G. N. Kiladis, 2012: Squall lines and convectively coupled gravity waves in the tropics: Why do most cloud systems propagate westward? *J. Atmos. Sci.*, **69**, 2995-3012.
- Dias, J., S. N. Tulich, and G. N. Kiladis, 2012: An object-based approach to assessing the organization of tropical convection. *J. Atmos. Sci.*, **69**, 2488-2504.
- Liebmann, B., I. Bladé, G. N. Kiladis, L. M. V. Carvalho, G. Senay, D. Allured, and S. Leroux, 2012: Seasonality of African precipitation from 1996-2009. *J. Climate*, **25**, 4302-4322.
- Leroux, S., N. M. J. Hall, and G. N. Kiladis, 2011: Intermittent African easterly wave activity in a dry atmospheric model: Influence of the extratropics. *J. Climate*, **24**, 5378-5396.
- Zheng, Y., T. Shinoda, J. -L. Lin, and G. N. Kiladis, 2011: Sea surface temperature biases under the stratus cloud deck in the southeast Pacific Ocean in 19 IPCC AR4 coupled general circulation models. *J. Climate*, **24**, 4139-4164.
- Ralph, F. M., P. J. Neiman, G. N. Kiladis, K. M. Weickmann and D. W. Reynolds, 2011: A multi-scale observational case study of a Pacific atmospheric river exhibiting tropical-extratropical connections and a mesoscale frontal wave. *Mon. Wea. Rev.*, **129**, 1169-1189.
- Liebmann, B., G. N. Kiladis, D. Allured, C. S. Vera, C. Jones, L. M. V. Carvalho, I. Bladé, and P. L. M. González 2011: Mechanisms associated with large daily precipitation events in Northeast Brazil. *J. Climate*, **24**, 376-396.
- Tulich, S. N., G. N. Kiladis, and A. -S. Parker, 2011: Convectively coupled Kelvin and easterly waves in a regional climate simulation of the tropics. *Climate Dyn.*, **36**, 185-203.
- Brunet, G., M. Shapiro, B. Hoskins, M. Moncrieff, R. Dole, G. N. Kiladis, B. Kirtman, A. Lorenc, B. Mills, R. Morss, S. Polavarapu, D. Rogers, J. Schaake, and J. Shukla, 2010: Collaboration of the weather and climate communities to advance sub-seasonal to seasonal prediction. *Bull. Amer. Meteor. Soc.*, **91**, 1397-1406.
- Serra, Y. L., G. N. Kiladis, and K. I. Hodges, 2010: Tracking and mean structure of easterly waves over the Intra-Americas Sea. *J. Climate*, **23**, 4823-4840.

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