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Professional Experience

Lamont Research Professor, July 2013 - present

Lamont Associate Research Professor, July 2010 - June 2013

Doherty Research Scientist, December 2009 - June 2010

Doherty Associate Research Scientist, August 2008 - November 2009

Associate Research Scientist, July 2007 - July 2008

Lamont-Doherty Earth Observatory, Columbia University, Palisades, NY.

Adjunct Professor, *Department of Earth and Environmental Sciences*, July 2019 - present

Executive Director, *Initiative on Extreme Weather and Climate*, February 2015 - present

Associate Member, *Earth Institute Faculty*, January 2018 - present

Lecturer, *Sustainability Science Program, School of Professional Studies*, September 2018 - present

Columbia University, New York, NY.

Associate Research Scientist, March 2003 - June 2007,

Senior Staff Associate, June 1999 - February 2003,

*International Research Institute for Climate and Society (IRI),
Columbia University, Palisades NY.*

Associate Professor, February 1996 - May 1999,

São Paulo State University (Unesp), Guaratinguetá, Brazil.

Post-doctoral Researcher, February 1993 - January 1996,

Max-Planck-Institute for Plasma Physics (IPP), Garching, Germany.

Education

Ph.D. in Physics, December 1992, *Munich Technical University*, Munich, Germany.

Thesis: “Analytical Methods in Magnetohydrodynamic Turbulence”

Advisors: Dr. Henri Tasso, Prof. Dr. Dieter Pfirsch

M.S. in Physics, March 1989, *São Paulo University (USP)*, São Paulo, Brazil.

Dissertation: “Invariants in Plasma Physics”, *Advisor:* Prof. Dr. Iberê Luiz Caldas.

B.S. in Physics, December 1986, *São Paulo University (USP)*, São Paulo, Brazil.

Refereed Publications

1. S.S. Bell, S.S. Chand, **S.J. Camargo**, K.J. Tory, C. Turville, and H. Ye, 2019. Western North Pacific tropical cyclone tracks in CMIP5 models: Statistical assessment using a model-independent detection and tracking scheme. *J. Climate*, accepted August (2019).
2. M. Bieli, **S.J. Camargo**, A.H. Sobel, J.L. Evans, and T. Hall, 2019. A global climatology of extratropical transition Part I: Characteristics across basins. *J. Climate*, **32**, 3557-3582, doi: 10.1175/JCLI-D-17-0518.1.
3. M. Bieli, **S.J. Camargo**, A.H. Sobel, J.L. Evans, and T. Hall, 2019. A global climatology of extratropical transition Part II: Statistical performance of the cyclone phase space. *J. Climate*, **32**, 3583-3597, doi: 10.1175/JCLI-D-18-0052.1.
4. **S.J. Camargo**, J. Camp, R.L. Elsberry, P.A. Gregory, P.J. Klotzbach, C.J. Schreck, A.H. Sobel, M.J. Ventrice, F. Vitart, Z. Wang, M.C. Wheeler, M. Yamaguchi, and R. Zhan, 2019. Tropical cyclone prediction on subseasonal time-scales. *Trop. Cyclone Res. Rev.*, accepted August (2019).
5. **S.J. Camargo** and L.M. Polvani, 2019. Little evidence of reduced global tropical cyclone activity following recent volcanic eruptions. *npj Clim. Atmos. Sci.*, **2**, 14, 10.1038/s41612-019-0070-z.
6. T. Knutson, **S.J. Camargo**, J.C.L. Chan, K. Emanuel, C.-H. Ho, J. Kossin, M. Mohaprata, M. Satoh, M. Sugi, K. Walsh, and L. Wu, 2019. Tropical cyclones and climate change assessment: Part I: Detection and attribution. *Bull. Amer. Meteorol. Soc.*, early online, doi: 10.1175/BAMS-D-18-0189.1.
7. T. Knutson, **S.J. Camargo**, J.C.L. Chan, K. Emanuel, C.-H. Ho, J. Kossin, M. Mohaprata, M. Satoh, M. Sugi, K. Walsh, and L. Wu, 2019. Tropical cyclones and climate change assessment: Part II: Projected response to anthropogenic warming. *Bull. Amer. Meteorol. Soc.*, early online, doi: 10.1175/BAMS-D-18-0194.1.
8. E.D. Maloney, D. Barrie, A. Gettelman, A. Mariotti, Y. Ming, J.D. Neelin, C.-C. Chen, D.R.B. Coleman, Y.-H. Kuo, B. Singh, A. Berg, J.F. Booth, **S.J. Camargo**, A. Dai, A. Gonzalez, X. Jiang, X. Jing, D. Kim, Y. Moon, C.M. Naud, A.H. Sobel, K. Suzuki, F. Wang, J. Wang, A.A. Wing, and X. Xu, 2019. Process-oriented evaluation of climate and weather forecasting models. *Bull. Amer. Meteorol. Soc.*, early online, doi: 10.1175/BAMS-D-18-0042.1.
9. F.S.R. Pausata and **S.J. Camargo**, 2019. Tropical cyclone activity affected by volcanically induced ITCZ shifts. *Proc. Natl. Acad. Sci.*, **16**, 7732-7737, 10.1073/pnas.1900777116.
10. A. Seth, A. Giannini, M. Rojas, S.A. Rauscher, S. Bordoni, D. Singh, and **S.J. Camargo**, 2019. Monsoon responses to climate changes - Connecting past, present and future. *Curr. Clim. Change Rep.*, **5**, 63-79, doi:10.1007/s40641-019-00125-y.

11. A.H. Sobel, **S.J. Camargo**, and M. Previdi, 2019. Aerosols vs. greenhouse gas effects on tropical cyclone potential intensity and the hydrological cycle. *J. Climate*, **32**, 5511-5527, doi: 10.1175/JCLI-D-18-0357.1. Conference notebook in *Bull. Amer. Meteorol. Soc.*, **99**, 1517-1518 (2018).
12. A.H. Sobel, C.-Y. Lee, **S.J. Camargo**, K. Mandli, K. Emanuel, P. Mukhopadhyay, and M. Mahakur, 2019. Tropical cyclone hazard to Mumbai in the recent historical climate. *Mon. Wea. Rev.*, **147**, 2355-2366, doi: 10.1175/MWR-D-18-0419.1.
13. M. Ting, J.P. Kossin, **S.J. Camargo**, and C. Li, 2019. Past and future hurricane intensity change along the U.S. East coast. *Sci. Rep.*, **9**, 7795, doi: 10.1038/s41598-019-44252-w.
14. L. Trenary, T. DelSole, **S.J. Camargo**, and M.K. Tippett, 2019. Are mid-20th century forced changes in North Atlantic hurricane potential intensity detectable? *Geophys. Res. Lett.* **46**, 3378-3386, doi:10.1029/2018GL081725. *Research Spotlight: Role of humans in past hurricane potential intensity is unclear*, EOS, 100, doi: 10.1029/2019EO125003, published June (2019).
15. K.J.E. Walsh, **S.J. Camargo**, T.R. Knutson, J. Kossin, T.-C. Lee, H. Murakami, and C. Patricola, 2019. Tropical cyclones and climate change. *Trop. Cyclone Res. Rev.*, accepted August (2019).
16. A.A. Wing, **S.J. Camargo**, A.H. Sobel, D. Kim, Y. Moon, H. Murakami, K.A. Reed, G.A. Vecchi, M.F. Wehner, C. Zarzycki, and M. Zhao, 2019. Moist static energy budget analysis of tropical cyclone formation and intensification in high-resolution climate models. *J. Climate*, **32**, 6071-6095, doi: 10.1175/JCLI-D-18-0599.1
17. A.S. Daloz and **S.J. Camargo**, 2018. Is the poleward migration of tropical cyclone maximum intensity associated with a poleward migration of tropical cyclone genesis? *Clim. Dyn.*, **50**, 705-715, doi:10.1007/s00382.
18. L. Gualtieri, **S.J. Camargo**, S. Pascale, F.M.E. Pons, and G. Ekström, 2017. The persistent signature of tropical cyclones in ambient seismic noise. *Earth Planet. Sci. Lett.*, **484**, 287-294, doi: 10.1016/j.epsl.2017.12.026.
19. D. Kim, Y. Moon, **S.J. Camargo**, A.A. Wing, A.H. Sobel, H. Murakami, G.A. Vecchi, M. Zhao and E. Page, 2018. Process-oriented diagnosis of tropical cyclones in high-resolution GCMs. *J. Climate*, **31**, 1685-1702, doi: 10.1175/JCLI-D-17-0269.1.
20. C.-Y. Lee, **S.J. Camargo**, F. Vitart, A.H. Sobel, and M.K. Tippett, 2018. Sub-seasonal tropical cyclone genesis prediction and MJO in the S2S dataset. *Wea. Forecasting*, **33**, 967-988, doi: 10.1175/WAF-D-17-0165.1.
21. C.-Y. Lee, M.K. Tippett, A.H. Sobel, and **S.J. Camargo**, 2018. An environmentally forced tropical cyclone hazard model. *J. Adv. Model. Earth Syst.*, **10**, 233-241, doi: 10.1002/2017MS001186.

22. C.M. Patricola, **S.J. Camargo**, P.J. Klotzbach, R. Saravanan, and P. Chang, 2018. The influence of ENSO flavors on western North Pacific tropical cyclone activity. *J. Climate*, **31**, 5395-5416, doi: 10.1175/JCLI-D-17-0678.1.
23. H.A. Ramsay, S.S. Chand, and **S.J. Camargo**, 2018. A statistical assessment of Southern Hemisphere tropical cyclone tracks in climate models. *J. Climate*, **31**, 10081-10104, doi: 10.1175/JCLI-D-18-0377.1.
24. Y. Shen, Y. Sun, **S.J. Camargo**, Z. Zhong, 2018. A quantitative method to evaluate tropical cyclone tracks in climate models. *J. Atmos. Oceanic Technol.*, **35**, 1807-1818, doi: 10.1175/JTECH-D-18-0056.1.
25. M. Boudreault, L.-P. Caron, and **S.J. Camargo**, 2017. Reanalysis of climate influences on Atlantic tropical cyclone activity using cluster analysis. *J. Geophys. Res.*, **122**, 4258-4280 doi: 10.1002/2016JD026103.
26. J.P. Duvel, **S.J. Camargo**, and A.H. Sobel, 2017. Role of convection scheme in modeling initiation and intensification of tropical depressions over the North Atlantic. *Mon. Wea. Rev.*, **145** 1495-1509, doi:10.1175/MWR-D-16-0201.1
27. J. Nakamura, **S.J. Camargo**, A.H. Sobel, N. Henderson, K.A. Emanuel, A. Kumar, T.E. LaRow, H. Murakami, M.J. Roberts, E. Scoccimarro, P.L. Vidale, H. Wang, M.F. Wehner, and M. Zhao, 2017. Western North Pacific tropical cyclone model tracks in present and future climates. *J. Geophys. Res.*, **122**, 9721-9744, doi: 10.1002/2017JD027007.
28. Y. Sun, Z. Zhong, T. Li, L. Yi, **S.J. Camargo**, Y. Hu, K. Liu, H. Chen, Q. Liao, and J. Shi, 2017. Impact of ocean warming on tropical cyclone track over the western North Pacific: A numerical investigation based on two case studies. *J. Geophys. Res.*, **122**, 8617-8630, doi: 10.1002/2017JD026959.
29. **S.J. Camargo** and A. Seth, 2016. Hottest summers the new normal. *Env. Res. Lett.*, **11**, 081001, doi: 10.1088/1748-9326/11/8/081001.
30. **S.J. Camargo**, A.H. Sobel, A.D. Del Genio, J.A. Jonas, M. Kelley, Y. Lu, D.A. Shaevitz, and N. Henderson, 2016. Tropical cyclones in the GISS ModelE2. *Tellus A*, **68**, 31494, doi: 10.3402/tellusa.v68.31494.
31. **S.J. Camargo** and A.A. Wing, 2016. Tropical cyclones in climate models. *WIREs Climate Change*, **7**, 211-237, doi: 10.1002/wcc373.
32. S.D. Ditchek, W.R. Boos, **S.J. Camargo**, and M.K. Tippett, 2016. A genesis index for monsoon disturbances. *J. Climate*, **29**, 5189-5203, doi:10.1175/JCLI-D-15-0704.1.
33. R. Han, H. Wang, Z.-Z. Hu, A. Kumar, W. Li, L. N. Long, J.-K. E. Schemm, P. Peng, W. Wang, D. Si, X. Jia, M. Zhao, G. A. Vecchi, T. E. LaRow, Y.-K. Lim, S. D. Schubert, **S.J. Camargo**, N. Henderson, J. A. Jonas, and K. J. E. Walsh, 2016. An assessment of multi-model simulations on the variability of western North Pacific tropical cyclones and its association with ENSO. *J. Climate*, **29**, 6401-6423, doi: 10.1175/JCLI-D-15-0720.1.

34. J.P. Kossin, K.A. Emanuel, and **S.J. Camargo**, 2016. Past and projected changes in western North Pacific tropical cyclone exposure. *J. Climate*, **29**, 5725-5739, doi: 10.1175/JCLI-D-16-0076.1.
35. C.-Y. Lee, M.K. Tippett, A.H. Sobel, and **S.J. Camargo**, 2016. Rapid intensification and the bimodal distribution of tropical cyclone intensity. *Nature Comm.*, **7**, 10625, doi: 10.1038/ncomms10625.
36. C.-Y. Lee, M.K. Tippett, A.H. Sobel, and **S.J. Camargo**, 2016. Autoregressive modeling for tropical cyclone intensity climatology. *J. Climate* **29**, 7815-7830 doi: 10.1175/JCLI-D-15-0909.1.
37. L.M. Polvani, **S.J. Camargo**, and R.R. Garcia, 2016. The importance of the Montreal Protocol in mitigating the potential intensity of tropical cyclones. *J. Climate*, **29**, 2275-2289, doi: 10.1175/JCLI-D-15-0232.1.
38. A.H. Sobel, **S.J. Camargo**, A.G. Barnston, and M.K. Tippett, 2016. Northern hemisphere tropical cyclones during the quasi-El Niño of late 2014. *Nat. Hazards*, **83**, 1717-1729, doi: 10.1007/s11069-016-2389-7.
39. A.H. Sobel, **S.J. Camargo**, T.M. Hall, C.-Y. Lee, M.K. Tippett, and A.A. Wing, 2016. Human influence on tropical cyclone intensity. *Science*, **353**, 242-246, doi: 10.1126/science.aaf6574.
40. K.J.E. Walsh, J.L. McBride, P.J. Klotzbach, Balachandran, **S.J. Camargo**, G. Holland, T.R. Knutson, J. Kossin, T.-C. Lee, A. Sobel, M. Sugi, 2016. Tropical cyclones and climate change, *WIREs Climate Change*, **7**, 65-89, doi: 10.1002/wcc371.
41. A.A. Wing, **S.J. Camargo**, and A.H. Sobel, 2016. Role of radiative-convective feedbacks in spontaneous tropical cyclogenesis in idealized numerical simulations. *J. Atmos. Sci.*, **73**, 2633-2642, doi: 10.1175/JAS-D-15-0380.1.
42. J. Yoo, J. Galewsky, **S.J. Camargo**, R. Korty, and R. Zamora, 2016. Dynamical downscaling of tropical cyclones from CCSM4 simulations of the Last Glacial Maximum. *J. Adv. Model. Earth Sys.*, **8**, 1229-1247, doi: 10.1002/2016MS000685.
43. L.-P. Caron, M. Boudreault, and **S.J. Camargo**, 2015. On the variability and predictability of eastern North Pacific tropical cyclone activity. *J. Climate*, **28**, 9678-9696, doi: 10.1175/JCLI-D-15-0377.1.
44. A.S. Daloz, **S.J. Camargo**, J.P. Kossin, K. Emanuel, M. Horn, J.A. Jonas, D. Kim, T. LaRow, Y.-K. Lim, C.M. Patricola, M. Roberts, E. Scoccimarro, D. Shaevitz, P.L. Vidale, H. Wang, M. Wehner, and M. Zhao, 2015. Cluster analysis of explicitly and downscaled simulated North Atlantic tropical cyclone track, *J. Climate*, **28**, 1333-1361, doi: 10.1175/JCLI-D-13-00646.1 .
45. J.G. Dwyer, **S.J. Camargo**, A.H. Sobel, M. Biasutti, K.A. Emanuel, G.A. Vecchi, M. Zhao, and M.K. Tippett, 2015. Projected 21st century changes in the length of the tropical cyclone season, *J. Climate*, **28**, 6181-6192, doi: 10.1175/JCLI-D-14-00686.1.

46. C.-Y. Lee, M.K. Tippett, **S.J. Camargo**, and A.H. Sobel, 2015. Probabilistic prediction of tropical cyclone intensity from a multiple-linear regression model, *Mon. Wea. Rev.*, **143**, 933-954, doi: 10.1175/MWR-D-14-000171.1.
47. A. Seth, K. Fernandes, and **S. J. Camargo**, 2015. Two summers of São Paulo drought: Origins in the western tropical Pacific. *Geophys. Res. Lett.*, **42**, 10816-10823, doi: 10.1002/2015GL066314.
48. M. Ting, **S.J. Camargo**, C. Li, and Y. Kushnir, 2015. Natural and forced North Atlantic hurricane potential intensity changes in CMIP5 models, *J. Climate*, **28**, 3926-3942, doi: 10.1175/JCLI-D-14-00520.1.
49. K.J.E. Walsh, **S.J. Camargo**, G.A. Vecchi, A.S. Daloz, J. Elsner, K. Emanuel, M. Horn, Y.-K. Lim, M. Roberts, C. Patricola, E. Scoccimarro, A.H. Sobel, S. Strazzo, G. Villarini, M. Wehner, M. Zhao, J. Kossin, T. LaRow, K. Oouchi, S. Schubert, H. Wang, J. Bacmeister, P. Chang, F. Chauvin, C. Jablonowski, H. Murakami, T. Ose, K.A. Reed, R. Saravanan, Y. Yamada, C.M. Zarzycki, P.L. Vidale, J.A. Jonas, and N. Henderson, 2015. Hurricanes and climate: the U.S. CLIVAR Working Group on hurricanes. *Bull. Amer. Meteor. Soc.*, **96**, 997-1017, doi: 10.1175/BAMS-D-13-00242.1. Erratum, *Bull. Amer. Meteor. Soc.*, **96**, 1440, doi: 10.1175/BAMS-D-15-00232.1.
50. **S.J. Camargo**, M.K. Tippett, A.H. Sobel, G.A. Vecchi, and M. Zhao, 2014. Testing the performance of tropical cyclone genesis indices in future climates using the HIRAM model. *J. Climate* **27**, 9171-9196 doi: 10.1175/JCLI-D-13-00505.1.
51. M. Horn, K. Walsh, M. Zhao, **S.J. Camargo**, E. Scoccimarro, H. Murakami, H. Wang, A. Kumar, D.A. Shaevitz, J.A. Jonas, K. Oouchi, 2014. Tracking scheme dependence of simulated tropical cyclone response to idealized climate simulations. *J. Climate* **27**, 9197-9213, doi: 10.1175/JCLI-D-14-00200.1.
52. E.D. Maloney, **S.J. Camargo**, E. Chang, B. Colle, R. Fu, K.L. Geil, Q. Hu, X. Jiang, N. Johnson, K.B. Karnauskas, J. Kinter, B. Kirtman, S. Kumar, B. Langenbrunner, K. Lombardo, L.N. Long, A. Mariotti, J.E. Meyerson, K.C. Mo, J.D. Neelin, Z. Pan, R. Seager, Y. Serra, A. Seth, J. Sheffield, J. Stroeve, J. Thibeault, S.-P. Xie, C. Wang, B. Wyman, M. Zhao, 2014. North American Climate in CMIP5 Experiments: Part III: Assessment of 21st Century Projections, *J. Climate*, **27**, 2230-2270, doi: 10.1175/JCLI-D-13-00273.1.
53. D.A. Shaevitz, **S.J. Camargo**, A.H. Sobel, J.A. Jonas, D. Kim, A. Kumar, T.E. LaRow, Y.-K. Lim, H. Murakami, K. Reed, M.J. Roberts, E. Scoccimarro, P.L. Vidale, H. Wang, M.F. Wehner, M. Zhao, and N. Henderson, 2014. Characteristics of tropical cyclones in high-resolution models in the present climate, *J. Adv. Model. Earth Sys.*, **6**, 1154-1172, doi: 10.1002/2014MS000372.
54. B. Tang, and **S.J. Camargo**, 2014. Environmental control on tropical cyclones in CMIP5: A ventilation perspective. *J. Adv. Model. Earth Sys.*, **6**, 115-128, doi: 10.1002/2013MS000294.

55. M.K. Tippett, A.H. Sobel, **S.J. Camargo**, and J.T. Allen, 2014. An empirical relation between U.S. tornado activity and monthly environmental parameters. *J. Climate*, **27**, 2983-2999, doi: 10.1175/JCLI-D-13-00345.1.
56. H. Wang, L. Long, A. Kumar, W. Wang, J.-K. E. Schemm, M. Zhao, G.A. Vecchi, T.E. LaRow, Y.-K. Lim, S.D. Schubert, D.A. Shaevitz, **S.J. Camargo**, N. Henderson, D. Kim, J.A. Jonas, and K.J.E. Walsh, 2014. How well do global climate models simulate the variability of Atlantic tropical cyclones associated with ENSO? *J. Climate*, **27**, 5673-5692, doi: 10.1175/JCLI-D-13-00625.1.
57. S. Wang, **S.J. Camargo**, A.H. Sobel, and L.M. Polvani, 2014. Impact of the tropopause temperature on the intensity of tropical cyclones - an idealized study using a mesoscale model. *J. Atmos. Sci.* **71**, 4333-4348, doi: 10.1175/JAS-D-14-0029.1.
58. **S.J. Camargo**, 2013. Global and regional aspects of tropical cyclone activity in the CMIP5 models, *J. Climate*, **26**, 9880-9902, doi: 10.1175/JCLI-D-12-00549.1.
59. **S.J. Camargo**, M. Ting, and Y. Kushnir, 2013. Influence of local and remote SST on Atlantic potential intensity, *Clim. Dyn.*, **40**, 1515-1529, doi: 10.1007/s00382-012-1536-4.
60. A. Seth, S.A. Rauscher, M. Biasutti, A. Giannini, **S.J. Camargo**, and M. Rojas, 2013. CMIP5 projected changes in the annual cycle of precipitation, *J. Climate*, **26**, 7328 - 7351, doi:10.1175/JCLI-D-12-00726.1.
61. J. Sheffield, **S.J. Camargo**, R. Fu, Q. Hu, X. Jiang, K.B. Karnauskas, S.T. Kim, J. Kinter, S. Kumar, B. Langenbrunner, E.D. Maloney, A. Mariotti, J.E. Meyerson, N. Johnson, J.D. Neelin, S. Nigam, Z. Pan, A. Ruiz-Barradas, R. Seager, Y.L. Serra, D.-Z. Sun, C. Wang, S.-P. Xie, J.-Y. Yu, T. Zhang, M. Zhao, 2013. North American climate in CMIP5 experiments. Part II: Evaluation of 20th century intra-seasonal to decadal variability, *J. Climate*, **26**, 9247-9290, doi:10.1175/JCLI-D-12-00593.
62. J.D. Woodruff, J.L. Irish, and **S.J. Camargo**, 2013. Coastal flooding by tropical cyclones and sea level rise. *Nature*, **504**, 44-52, doi: 10.1038/nature12855.
63. M. Biasutti, A.H. Sobel, **S.J. Camargo**, and T.T. Creyts, 2012. Projected changes in the physical climate of the Gulf Coast and Caribbean, *Climatic Change*, **112**, 819-845, doi: 10.1007/s10584-011-0255-y.
64. D. Kim, A.H. Sobel, A. Del Genio, Y. Chen, **S.J. Camargo**, M.-S. Yao, M. Kelley, and L. Nazarenko, 2012. The tropical subseasonal variability simulated in the NASA GISS general circulation model, *J. Climate*, **25**, 4641-4659, doi: 10.1175/JCLI-D-11-00447.1.
65. R.L. Korty, **S.J. Camargo**, and J. Galewsky, 2012. Tropical cyclone genesis factors in simulations of the Last Glacial Maximum, *J. Climate*, **25**, 4348-4365, doi: 10.1175/JCLI-D-11-00517.1

66. R.L. Korty, **S.J. Camargo**, and J. Galewsky, 2012. Variations in tropical cyclone genesis factors in simulations of the Holocene Epoch, *J. Climate*, **25**, 8196 - 8211, doi: 10.1175/JCLI-D-12-00033.1.
67. M.E. Kozar, M.E. Mann, **S.J. Camargo**, J.P. Kossin, and J.L. Evans, 2012. Stratified statistical models of North Atlantic basin-wide and regional tropical cyclone counts, *J. Geophys. Res.*, **117**, D18103, doi: 10/1029/2011JD017170.
68. H.A. Ramsay, **S.J. Camargo**, and D. Kim, 2012. Cluster Analysis of tropical cyclone tracks in the southern hemisphere, *Clim. Dyn.*, **39**, 897-917, doi: 10.1007/s00382-011-1225-8.
69. M.K. Tippett, A.H. Sobel, and **S.J. Camargo**, 2012. Association of monthly U.S. tornado occurrence with large-scale atmospheric parameters, *Geophys. Res. Lett.*, **39**, L02801, doi: 10.1029/2011GL050368.
70. A.T. Evan and **S.J. Camargo**, 2011. A climatology of Arabian Sea cyclonic storms, *J. Climate*, **24**, 140-158, doi: 10.1175/2010JCLI3611.1.
71. A. Seth, S.A. Rauscher, M. Rojas, A. Giannini, and **S.J. Camargo**, 2011. Enhanced spring convective barrier for monsoons in a warmer world? *Climatic Change*, **104**, 403-414, doi: 10.1007/s10584-010-9973-8. Nature Climate Change research highlight: *Impacts: Monsoon summer*, S. Barley, *Nature Climate Change*, 30 November 2010, doi:10.1038/nclimate1018 Research highlights.
72. A.H. Sobel and **S.J. Camargo**, 2011. Projected future changes in tropical summer climate, *J. Climate*, **24**, 473-487, doi: 10.1175/2010JCLI3748.1.
73. M.K. Tippett, **S.J. Camargo**, and A.H. Sobel, 2011. A Poisson regression index for tropical cyclone genesis and the role of large-scale vorticity in genesis, *J. Climate*, **24**, 2335-2357, doi: 10.1175/2010JCLI3811.1.
74. **S.J. Camargo** and A.H. Sobel, 2010. Reexamining the influence of the Quasi-biennial Oscillation on Tropical Cyclone activity. *J. Climate*, **23**, 5810-5825, doi: 10.1175/2010JCLI3575.1.
75. J.P. Kossin, **S.J. Camargo**, and M. Sitkowski, 2010. Climate modulation of North Atlantic hurricane tracks, *J. Climate*, **23**, 3057-3076, doi: 10.1175/2010JCLI3497.1.
76. M. Biasutti, A.H. Sobel, and **S.J. Camargo**, 2009. The role of the Sahara low in Sahel rainfall variability and change in the CMIP3 models, *J. Climate*, **22**, 5755-5771.
77. **S.J. Camargo** and A.G. Barnston, 2009. Experimental seasonal dynamical forecasts of tropical cyclone activity at IRI, *Wea. Forecasting*, **24**, 472-491.
78. **S.J. Camargo**, M.C. Wheeler, and A.H. Sobel, 2009. Diagnosis of the MJO modulation of tropical cyclogenesis using an empirical index, *J. Atmos. Sci.*, **66**, 3061-3074.

79. J.P. Kossin and **S.J. Camargo**, 2009. Hurricane track variability and secular potential intensity trends. *Climatic Change*, **97**, 329-337.
80. B. Lyon and **S.J. Camargo**, 2009. The seasonally-varying influence of ENSO on rainfall and tropical cyclone activity in the Philippines, *Clim. Dyn.* **32**, 125-141.
81. J. Nakamura, U. Lall, Y. Kushnir, and **S.J. Camargo**, 2009. Classifying North Atlantic tropical cyclones tracks by their mass moments, *J. Climate*, **22**, 5481-5494.
82. **S.J. Camargo**, A.W. Robertson, A.G. Barnston, and M. Ghil, 2008. Clustering of eastern North Pacific tropical cyclone tracks: ENSO and MJO effects, *Geochem., Geophys. and Geosyst.*, **9**, Q06V05.
83. **S.J. Camargo**, K.A. Emanuel and A.H. Sobel, 2007. Use of a genesis potential index to diagnose ENSO effects on tropical cyclone genesis, *J. Climate* **20**, 4819 - 4834.
84. **S.J. Camargo**, H. Li, and L. Sun, 2007. Feasibility study for downscaling seasonal tropical cyclone activity using the Regional Spectral Model, *Int. J. Climatol.* **27**, 311-325.
85. **S.J. Camargo**, A.W. Robertson, S.J. Gaffney, P. Smyth, and M. Ghil, 2007. Cluster analysis of typhoon tracks, Part I: General properties, *J. Climate* **20**, 3635 - 3653.
86. **S.J. Camargo**, A.W. Robertson, S.J. Gaffney, P. Smyth, and M. Ghil, 2007. Cluster analysis of typhoon tracks, Part II: Large scale circulation and ENSO, *J. Climate* **20**, 3654 - 3676.
87. **S.J. Camargo**, A.H. Sobel, A.G. Barnston, and K.A. Emanuel, 2007. Tropical cyclone genesis potential index in climate models, *Tellus* **59 A**, 428-443.
88. S.J. Gaffney, A.W. Robertson, P. Smyth, **S.J. Camargo**, and M. Ghil, 2007. Probabilistic clustering of extratropical cyclones using regression mixture models, *Clim. Dyn.* **29**, 423-440.
89. B. Liebmann, **S.J. Camargo**, A. Seth, J.A. Marengo, L.M.V. Carvalho, D. Allured, R. Fu, and C.S. Vera, 2007. Onset and end of the rainy season in South America in observations and the ECHAM4.5 atmospheric general circulation model, *J. Climate* **20**, 2037-2050.
90. S.A. Rauscher, A. Seth, B. Liebmann, J.-H. Qian, and **S.J. Camargo**, 2007. Regional climate model simulated timing and character of seasonal rains in South America, *Mon. Wea. Rev.* **135**, 2642-2657.
91. A. Seth, S.A. Rauscher, **S.J. Camargo**, J.-H. Qian, and J.S. Pal, 2007. RegCM3 regional climatologies for South America using reanalysis and ECHAM global model driving fields, *Clim. Dyn.* **28**, 461-480.
92. A.A. Wing, A.H. Sobel, and **S.J. Camargo**, 2007. The relationship between potential and actual intensities of tropical cyclones, *Geophys. Res. Lett.* **34**, L08810.

93. S.A. Rauscher, A. Seth, J.-H. Qian, and **S.J. Camargo**, 2006. Domain choice in an experimental nested modeling prediction system for South America, *Theor. Appl. Climatol.*, **86**, 229-246.
94. **S.J. Camargo**, A.G. Barnston and S.E. Zebiak, 2005. Statistical assessment of tropical cyclone activity in atmospheric general circulation models, *Tellus* **57A**, 589-604.
95. **S.J. Camargo** and A.H. Sobel, 2005. Western North Pacific tropical cyclone intensity and ENSO, *J. Climate* **18**, 2996-3006.
96. W.A. Landman, A. Seth and **S.J. Camargo**, 2005. The effect of regional climate model domain on the simulation of tropical cyclone-like vortices in the southwestern Indian Ocean, *J. Climate* **18**, 1263-1274.
97. A.H. Sobel and **S.J. Camargo**, 2005. Influence of western North Pacific tropical cyclones on their large-scale environment, *J. Atmos. Sci.* **62**, 3396-3407.
98. **S.J. Camargo** and A.H. Sobel, 2004. Formation of tropical storms in an atmospheric general circulation model. *Tellus* **56A**, 56-6.
99. **S.J. Camargo** and S.E. Zebiak, 2002. Improving the detection and tracking of tropical cyclones in atmospheric general circulation models, *Wea. Forecasting* **17**, 1152-1162 (2002). Summary in Nowcast, Papers of Note, *Bull. Amer. Meteor. Soc.* **84**, 181-182 (2003).
100. M.C.R. Andrade, G.O. Ludwig, and **S.J. Camargo**, 2000. Self-consistent equilibrium calculation through a direct variational technique in tokamak plasmas, *Plasma Phys. Control. Fusion* **42**, 1269-1289.
101. **S.J. Camargo**, M.K. Tippett, and I.L. Caldas, 2000. Nonmodal energetics of electromagnetic drift waves, *Phys. Plasmas* **7**, 2849-2855.
102. **S.J. Camargo**, M.K. Tippett, and I.L. Caldas, 1998. Nonmodal energetics of resistive drift waves, *Phys. Rev. E* **58**, 3693-3704.
103. **S.J. Camargo**, M.K. Tippett, and I.L. Caldas, 1998. Nonmodal linear analysis of drift-wave turbulence models, *Czech. J. Phys.* **48**, 189-194, Suppl. 2.
104. **S.J. Camargo**, B.D. Scott, and D. Biskamp, 1996. The influence of magnetic fluctuations on collisional drift-wave turbulence, *Phys. Plasmas* **3**, 3912-3931.
105. **S.J. Camargo**, D. Biskamp, and B.D. Scott, 1995. Resistive drift-wave turbulence, *Phys. Plasmas* **2**, 48-62.
106. D. Biskamp, **S.J. Camargo**, and B.D. Scott, 1994. Spectral properties and statistics of resistive drift-wave turbulence, *Phys. Letters A* **186**, 239-244.
107. **S.J. Camargo** and H. Tasso, 1992. Renormalization group in magnetohydrodynamic turbulence, *Phys. Fluids* **B4**, 1199-1212.

108. H. Tasso and **S.J. Camargo**, 1992. On the nonlinear stability of dissipative fluids, *N. Cimento B* **107**, 733-740.
109. **S.J. Camargo** and I.L. Caldas, 1991. Average magnetic surfaces in tokamaks, *Plasma Phys. Contr. Fusion* **33**, 573-581.
110. **S.J. Camargo** and H. Tasso, 1990. Self-similar statistics in MHD turbulence, *Z. Naturforsch.* **45a**, 603-608.

Book Chapters

1. **S.J. Camargo** and S.M. Hsiang, 2015. Tropical Cyclones: From the influence of climate to their socio-economic impacts, in *Extreme Events: Observations, Modeling and Economics*, M. Chaves, M. Ghil and J. Urrutia-Fucugauchi, editors, AGU Monograph, Chapter 18, pp. 303-342, Willey-Blackwell, ISBN: 978-1-119-15701-4.
2. **S.J. Camargo**, A.H. Sobel, A.G. Barnston, and P.J. Klotzbach, 2010. *The influence of natural climate variability, and seasonal forecasts of tropical cyclone activity*, Chapter 11, pp. 325-360, in *Global Perspectives on Tropical Cyclones, from Science to Mitigation*, 2nd edition, World Scientific Series on Earth System Science in Asia, vol. 4, J.C.L. Chan and J.D. Kepert, editors, ISBN 978-981-4293-47-1.
3. M.K. Tippett, **S.J. Camargo**, and I.L. Caldas, 1998. Modal and nonmodal linear stability of electromagnetic drift-waves, in *Topics in Theoretical Physics vol. II, Festschrift for Abraham Hirsch Zimerman*, edited by Henrik Aratyn, Luiz Agostinho Ferreira and José Francisco Gomes, pp. 47-50, Theoretical Physics Institute, São Paulo State University (Unesp), São Paulo, Brazil.
4. I.L. Caldas, M.V.A.P. Heller, **S.J. Camargo**, and M.C.R. Andrade, 1990. The trajectories of magnetic field lines in tokamaks with helical windings, in *Condensed Matter Theories Vol. 5*, V.C. Aguilera-Navarro, editor, pp. 217-224, Springer, Boston, MA, ISBN: 978-1-4613-0605-4, doi: 10.1007/978-1-4613-0605-4-4-24

State of the Climate contributions (peer reviewed)

1. **S.J. Camargo**, 2019. Tropical Cyclones, Western North Pacific Basin, in *State of the Climate in 2018*, J. Blunden and D.S. Arndt (editors), *Bull. Amer. Meteor. Soc.*, **100**, S124-S127.
2. **S.J. Camargo**, 2018. Tropical Cyclones, Western North Pacific Basin, in *State of the Climate in 2017*, J. Blunden, D.S. Arndt, and G. Hartfield (editors), *Bull. Amer. Meteor. Soc.*, **99**, S120-S124.

3. **S.J. Camargo**, 2017. Tropical Cyclones, Western North Pacific Basin, in *State of the Climate in 2016*, J. Blunden and D.S. Arndt (editors), *Bull. Amer. Meteor. Soc.*, **98**, S114-S118.
4. **S.J. Camargo**, 2016. Tropical Cyclones, Western North Pacific Basin, in *State of the Climate in 2015*, J. Blunden and D.S. Arndt (editors), *Bull. Amer. Meteor. Soc.*, **97**, S110-S113.
5. **S.J. Camargo**, 2015. Tropical Cyclones, Western North Pacific Basin, in *State of the Climate in 2014*, J. Blunden and D.S. Arndt (editors), *Bull. Amer. Meteor. Soc.*, **96**, S112-S115.
6. **S.J. Camargo**, 2014. Tropical Cyclones, Western North Pacific Basin, in *State of the Climate in 2013*, J. Blunden and D.S. Arndt (editors), *Bull. Amer. Meteor. Soc.*, **95**, S92-S94.
7. M. Lander, C. Guard, **S.J. Camargo**, 2014. Tropical Cyclones, Super-typhoon Haiyan, in *State of the Climate in 2013*, J. Blunden and D.S. Arndt (editors), *Bull. Amer. Meteor. Soc.*, **95**, S112-S114.
8. **S.J. Camargo**, 2013. Tropical Cyclones, Western North Pacific Basin, in *State of the Climate in 2012*, J. Blunden and D.S. Arndt (editors), *Bull. Amer. Meteor. Soc.*, **94**, S92-S94.
9. **S.J. Camargo**, 2012. Tropical Cyclones, Western North Pacific Basin, in *State of the Climate in 2011*, J. Blunden and D.S. Arndt (editors), *Bull. Amer. Meteor. Soc.*, **93**, S107-S109.
10. **S.J. Camargo**, 2011. Tropical Cyclones, Western North Pacific Basin, in *State of the Climate in 2010*, J. Blunden, D.S. Arndt, and M.O. Baringer (editors), *Bull. Amer. Meteor. Soc.*, **92**, S123-S127.
11. **S.J. Camargo**, 2010. Tropical Cyclones, Western North Pacific Basin (pp. S91-S94), in *State of the Climate in 2009*, D. S. Arndt, M. O. Baringer, and M. R. Johnson (editors), *Bull. Amer. Meteor. Soc.*, **91**, S1-S222.
12. **S.J. Camargo**, 2009. Tropical Cyclones, Western North Pacific Basin, (pp. S85-S88), in *State of the Climate in 2008*, T.C. Peterson, and M.O. Baringer (editors), *Bull. Amer. Meteor. Soc.* **90**, S1-S196.
13. **S.J. Camargo**, 2008. Tropical Cyclones, Western North Pacific Basin (pp. S74-S76), in *State of the Climate in 2007*, D.H. Levinson and J.H. Lawrimore, (editors), *Bull. Amer. Meteor. Soc.* **89**, S1-S179.
14. **S.J. Camargo**, 2007. Tropical Cyclones, Western North Pacific Basin (pp.S54-S56), in *State of the Climate in 2006*, A. Arguez (editor), *Bull. Amer. Meteor. Soc.* **88**, S1-S135.
15. **S.J. Camargo**, 2006. Western North Pacific typhoon season (pp. S39-S40) , in *State of the Climate in 2005*, K. Shein (editor), *Bull. Amer. Meteor. Soc.* **87**, S1-S102.

16. **S.J. Camargo**, 2005. Western North Pacific typhoon season (pp. S29-S32), in *State of the Climate in 2004*, D.H. Levinson (editor), *Bull. Amer. Meteor. Soc.* **86**, S1-S86.
17. **S.J. Camargo**, 2004. Western North Pacific typhoon season (pp. S25-S27), in *State of the Climate in 2003*, D.H. Levinson and A.M. Waple (editors), *Bull. Amer. Meteor. Soc.* **85**, S1-S72.
18. **S.J. Camargo**, 2003. Western North Pacific typhoon season (pp. S26-S28), in *State of the Climate in 2002*, A.M. Waple and J.H. Lawrimore (editors), *Bull. Amer. Meteor. Soc.* **84**, S1-S68.
19. A.M. Waple, J.H. Lawrimore, M.S. Halpert, G.D. Bell, W. Higgins, B. Lyon, M.J. Menne, K.L. Gleason, R.C. Schnell, J.R. Christy, W. Thiaw, W.J. Wright, M.J. Salinger, L. Alexander, R.S. Stone, and **S.J. Camargo**, 2002. Climate Assessment for 2001, *Bull. Amer. Meteor. Soc.* **83**, S1-S62.

Other publications

1. E.A. Soares, H.A. Camargo, **S.J. Camargo**, and D.F. Leite, 2018. Incremental Gaussian granular fuzzy modeling applied to hurricane tracking forecasting. *IEEE International Conference Fuzzy Systems, IEEE World Congress on Computational Intelligence, FUZZ-IEEE*, 8-13 July 2018, Rio de Janeiro, Brazil, doi: 10.1109/FUZZ-IEEE.2018.8491587.
2. A. Robertson, **S.J. Camargo**, A. Sobel, F. Vitart, and S. Wang, 2018. Summary of workshop on sub-seasonal to seasonal predictability of extreme weather and climate. *npj Climate and Atmospheric Science*, **1**, 8, doi: 10.1038/s41612-017-0009-1.
3. A. Sobel, **S.J. Camargo**, W. Debucquoy, G. Deodatis, M. Gerrard, T. Hall, R. Hallman, J. Keenan, U. Lall, M.A. Levy, B. Orlove, C. Rosenzweig, R. Seager, J. Shaman, and M. Tippett, 2016. Extreme weather and climate: Workshop report. *J. Extreme Events*, **3**, 1671001, doi: 10.1142/S2345737616710019.
4. **S.J. Camargo**, 2013. Tropical cyclones in high-resolution climate models. *U.S. CLIVAR Variations*, Vol. 11, No. 3, 4-11.
5. K. Walsh, M. Horn, S. Camargo, H. Murakami, H. Wang, E. Scoccimarro, 2013. Changes in future southern hemisphere tropical cyclone numbers. *U.S. CLIVAR Variations*, Vol. 11, No. 3, 1-4.
6. M. Zhao, I.M. Held, G. Vecchi, E. Scoccimarro, H. Wang, M. Wehner, Y.-K. Lim, T. LaRow, **S.J. Camargo**, K. Walsh, S. Gualdi, A. Kumar, S. Schubert, K.A. Reed, 2013. Robust direct effect of increasing atmospheric CO₂ concentration on global tropical cyclone frequency - A multi-model inter-comparison. *U.S. CLIVAR Variations*, Vol. 11, No. 3, 12-17.

7. U.S. CLIVAR Hurricane Working Group, 2013. U.S. CLIVAR Hurricane Workshop Report 2013-5, U.S. CLIVAR Project Office, Washington, DC 20005, 18pp.
8. **S.J. Camargo**, A.G. Barnston, P.J. Klotzbach, and C.W. Landsea, 2007. Seasonal Tropical Cyclone Forecasts, *World Meteorological Organization Bulletin* **57**(4), 297-309.
9. **S.J. Camargo** and A.H. Sobel, 2007. Workshop on Tropical Cyclones and Climate, *Bull. Amer. Meteor. Soc.* **88** (Meeting Summaries), 289-291.

Publications in Review

1. M. Bieli, A.H. Sobel, **S.J. Camargo**, and M.K. Tippett, 2019. A statistical model to predict the extratropical transition of tropical cyclones. *Weather and Forecasting*, submitted March (2019), in revision.
2. **S.J. Camargo**, C.F. Giulivi, A.H. Sobel, A.A. Wing, D. Kim, Y. Moon, J.D.O. Strong, A.D. Del Genio, M. Kelley, H. Murakami, K.A. Reed, E. Scoccimarro, G.A. Vecchi, M.F. Wehner, C. Zarzycki, and M. Zhao, 2019. Characteristics of model tropical cyclone climatology and the large-scale environment. *Journal of Climate*, submitted July (2019).
3. C.-Y. Lee, **S.J. Camargo**, A.H. Sobel, and M.K. Tippett, 2019. Statistical-dynamical downscaling projections of tropical cyclone activity in a warming climate: Two diverging genesis scenarios. *Journal of Climate*, submitted June (2019), in revision.
4. I-I Lin, **S.J. Camargo**, C. Patricola, J. Boucharel, S. Chand, P. Klotzbach, J. Chan, B. Wang, P. Chang, T. Li, and F.F. Jin, 2019. ENSO and tropical cyclones, in *ENSO in a changing climate*, AGU Monograph, submitted December (2018), revised February (2019).
5. D. Ma, S. Wang, **S.J. Camargo**, A.H. Sobel, and J. Nie, 2019. Flavors of tracked intraseasonal convection anomalies. *Geophysical Research Letters*, submitted August (2019).
6. Y. Moon, D. Kim, **S.J. Camargo**, A.A. Wing, A.H. Sobel, H. Murakami, K.A. Reed, E. Scoccimarro, G.A. Vecchi, M. Wehner, C. Zarzycki, and M. Zhao, 2019. Wind and thermodynamic structures of tropical cyclones in global climate model simulations and their sensitivity to horizontal resolution. *Journal of Climate*, submitted March (2019), in revision.
7. D. Touma, S. Stevenson, **S.J. Camargo**, D.E. Horton, and N.S. Diffenbaugh, 2019. Variations in the intensity and spatial extent of tropical cyclone precipitation. *Geophysical Research Letters*, submitted April (2019), revised June and August (2019).
8. K.J.E. Walsh, **S.J. Camargo**, and G.A. Vecchi, 2019. The Hurricane Working Group: Fine-resolution climate modeling and tropical cyclones. *U.S. CLIVAR Variations*, submitted November (2018).