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Recent Publications

Bender, M. A., T Marchok, R. Tuleya, I Ginis, V Tallapragada, and S J Lord, September 2019: Hurricane Model Development at GFDL: A Collaborative Success Story from an Historical Perspective. *Bulletin of the American Meteorological Society*, 100(9), 1725-1736.

Ezer, T., L. P. Atkinson and R. Tuleya (2017), Observations and operational model simulations reveal the impact of Hurricane Matthew (2016) on the Gulf Stream and coastal sea level, *Dynamics of Atmospheres & Oceans*, 80, 124-138.

Tuleya, R. E., M. A Bender, T. R Knutson, J. J Sirutis, B Thomas, and I Ginis, October 2016: Impact of upper tropospheric temperature anomalies and vertical wind shear on tropical cyclone evolution using an idealized version of the operational GFDL hurricane model. *Journal of the Atmospheric Sciences*, 73(10), 3803–3820.

Knutson, T. R., J. J Sirutis, M. Zhao, R. E Tuleya, M. A Bender, G. A Vecchi, G Villarini, and D Chavas, September 2015: Global Projections of Intense Tropical Cyclone Activity for the Late Twenty-First Century from Dynamical Downscaling of CMIP5/RCP4.5 Scenarios. *Journal of Climate*, 28(18), 7203-7224.

Knutson, T. R., F. Zeng, A. T Wittenberg, H. Kim, J. J Sirutis, M. A Bender, M. Zhao, and R E Tuleya, January 2014: Recent Research at GFDL on Surface Temperature Trends and Simulations of Tropical Cyclone Activity in the Indian Ocean Region In *Monitoring and Prediction of Tropical Cyclones in the Indian Ocean and Climate Change*, New Delhi, India, Springer, 50-62.

Knutson, T R., J J Sirutis, G A Vecchi, S T Garner, M Zhao, H Kim, M A Bender, R E Tuleya, I M Held, and G Villarini, September 2013: Dynamical downscaling projections of 21st century Atlantic hurricane activity: CMIP3 and CMIP5 model-based scenario. *Journal of Climate*, 26(17), 6591-6617.

Bender, Morris A., Thomas R Knutson, Robert E Tuleya, Joseph J Sirutis, Gabriel A Vecchi, Stephen T Garner, and Isaac M Held, January 2010: Modeled impact of anthropogenic warming on the frequency of intense Atlantic hurricanes. *Science*, 327(5964), 454-458.

Knutson, Thomas R., and Robert E Tuleya, May 2008: Tropical cyclones and climate change: Revisiting recent studies at GFDL In *Climate Extremes and Society*, Diaz, H.F. and R.J. Murnane, Eds., New York, NY, Cambridge University Press, 120-144.

Bender, M. A., I. Ginis, R. Tuleya, B. Thomas, and T. Marchok, 2007: The operational GFDL coupled hurricane-ocean prediction system and a summary of its performance. *Monthly Weather Review*, 135(2), 3965-3989.