

Education	2022 -	Princeton University	Ph.D., Atmospheric and Oceanic Sciences <i>Advisor:</i> Gabriel Vecchi
	2020 - 2022	The City College of New York	M.E., Mechanical Engineering <i>Advisor:</i> Prathap Ramamurthy
	2014 - 2018	Vanderbilt University	B.E., Mechanical Engineering <i>Minors:</i> Materials Science, Scientific Computing
Awards	2023 - 2027	Department of Energy	Computational Science Graduate Fellowship
	2022	Princeton University	President's Fellowship
		National GEM Consortium	Ph.D. Engineering and Science Fellowship
		National Science Foundation	Graduate Research Fellowship (honorable mention)
	2021	NOAA-CESSRST	Professional Development Award
	2020 - 2022	NOAA-CESSRST	Graduate Fellowship
Peer-reviewed publications	G Rios , P Ramamurthy, H Gamarro (2023). "Observations of boundary layer structure and dynamics over a coastal urban area during extreme heat events". <i>Submitted to Theoretical and Applied Climatology</i> .		
	G Rios , P Ramamurthy (2023). "Turbulence in the mixed layer over an urban area: a New York City case study". <i>Boundary Layer Meteorology</i> . DOI: https://doi.org/10.1007/s10546-023-00819-9 .		
	G Rios , P Ramamurthy (2022). "A novel model to estimate sensible heat fluxes in urban areas using satellite-derived data". <i>Remote Sensing of Environment</i> . DOI: https://doi.org/j.rse.2021.112880 .		
	G Rios , RJ Morrison, Y Song, SJ Fernando, A Gelbard, H Luo (2020). "Computational fluid dynamics analysis of surgical approaches to bilateral vocal fold immobility". <i>The Laryngoscope</i> . DOI: https://doi.org/10.1002/lary.27925 .		
Presentations	G Rios , W Yang, B Zhang, G Vecchi, B Soden. "What would a climate without tropical cyclones look like? A preliminary analysis of WISHE suppression on TCs and climate". <i>10th Northeast Tropical Workshop</i> . 5 Jun 2023. Albany, NY. Talk.		
	P Ramamurthy, MD K Rahman, G Rios . "URBANSYMP Observations of Coastal-Urban Boundary Layer Characteristics". <i>AMS 103rd Annual Meeting</i> . 11 Jan 2023. Denver, CO. Talk.		
	P Ramamurthy, JE Gonzalez-Cruz, G Rios . "24BLT Spatial and Temporal Variability in Coastal Urban Boundary Layer Characteristics". <i>AMS 103rd Annual Meeting</i> . 11 Jan 2023. Denver, CO. Talk.		
	P Ramamurthy, G Rios . "Observations of urban boundary layer characteristics during extreme heat episodes". <i>AGU Fall Meeting 2022</i> . 14 Dec 2022. Chicago, IL. Talk.		
	G Rios , P Ramamurthy. "Boundary layer structure and dynamics over New York City during extreme heat events". <i>2nd Annual NYS Mesonet</i> . 13 Sep 2022. Albany, NY. Poster.		
	G Rios , P Ramamurthy. "Estimating urban sensible heat flux using satellite-based data". <i>10th Biennial NOAA EPP/MSI Education and Science Forum</i> . 6 Apr 2022. Virtual. Poster.		
	G Rios , P Ramamurthy, M Arend. "Observations of urban boundary layer characteristics during extreme heat episodes". <i>AGU Fall Meeting 2021</i> . 13 Dec 2021. Virtual. Poster.		
	G Rios , P Ramamurthy. "Estimating urban sensible heat flux using satellite-based data". <i>EGU General Assembly 2021</i> . 19 Apr 2021. Virtual. Talk.		
	G Rios , H Luo. "Computational fluid dynamics analysis of surgical approaches to bilateral vocal fold immobility". <i>Vanderbilt Institute for Surgery and Engineering Assembly</i> . 26 Apr 2018. Nashville, TN. Poster.		