NICHOLAS JAMES LUTSKO

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Education

2012-2017 **Ph.D.** Princeton University.

Thesis title: Aspects of Eddy Momentum Fluxes in the General Circulation of the

Troposphere.

Adviser: Professor Isaac Held

2008-2012 Msci. Geophysics, Imperial College London

Publications

2017	Lutsko, N. J., Held, I. M., Zurita-Gotor, P., and O'Rourke, A. K. (2017). Lower tropospheric eddy momentum fluxes in idealized models and reanalysis data. <i>Journal of the Atmospheric Sciences</i>
2016	Lutsko, N. J. and Held, I. M. (2016). The response of an idealized atmosphere to orographic forcing: Zonal vs meridional propagation. <i>Journal of the Atmospheric Sciences</i> , 73(8):3701 – 3718
2015	Lutsko, N. J., Held, I. M., and Zurita-Gotor, P. (2015). Applying the fluctuation–dissipation theorem to a two-layer model of quasi-geostrophic turbulence. <i>Journal of the Atmospheric Sciences</i> , 72(8):3161 – 3177

Conference Presentations

2017	AOFD (Talk) Lower Tropospheric Eddy Momentum Fluxes in Idealized Moc	dels
	and Reanalysis Data	

2016 AGU (Talk) What Can the Internal Variability of Climate Models Tell Us About Their Climate Sensitivity?

Model Hierarchies Workshop (*Poster*) The Responses of Idealized Atmospheric Models to Orographic Forcing

2015 **AOFD** (Talk) The Response of the Mid-Latitudes to Idealized Orography in the Presence of a Jet

AOFD (*Poster*) Applying the Fluctuation–Dissipation Theorem to a Two-Layer Model of Quasi-Geostrophic Turbulence

Invited Seminars

2017 University of Chicago, Geophysical Fluid Dynamics Laboratory (thesis defense), Columbia University

Professional Activities

Reviewer Journal of the Atmospheric Sciences, Journal of Climate, GFDL Internal Reviewer.

June 2017 AOFD Session Chair Theme: Theoretical Advances in AOFD.

August 2015 Organizer Princeton AOS Workshop. Theme: Using Climate Models

to Study Extreme Climates.

Fall 2013 – Spring 2014 Organizer Princeton AOS Student Seminar series.

Awards, Fellowships and Summer Schools

2016	Rossbypalooza
2014	Cambridge FDSE Summer School
2013-2016	NSF Graduate Research Fellowship
2012	Princeton University Centennial Fellowship
2012	Imperial College Governor's Prize
2008	R. Stoddard Longcroft Prize at Imperial College

Teaching

Spring 2016 Assistant Instructor Princeton GEO202: Ocean, Atmosphere, and Climate

(with Professor Allison Gray)

Fall 2015 Helped with class projects Princeton AOS576: Current Topics in Dynamic

Meteorology Large-Scale Structure/Atmosphere (with Professor Isaac Held)