

# Timeline of Graduate Studies

Evan H. Anders

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**Fall 2014 - Spring 2015:** Began graduate studies and worked as a Teaching Assistant.

**Summer 2015:** Began work as a graduate Research Assistant with Dr. Benjamin P. Brown. *Awarded CU Boulder's 3-year George Ellery Hale Graduate Student Fellowship.*

**Fall 2015:** *Hale fellowship funding began.*

**January 2016:** Completed department qualifier Comprehensive Exam I with highest marks in cohort.

**Spring-Summer 2016:** Began studies of stratified, compressible convection.

**Fall 2016:** Completed second and final departmental Ph.D. qualifier, Comprehensive Exam II, which was essentially a master's thesis defense. Received "High Pass" distinction, and advanced to Ph.D. candidacy.

**Spring 2017:** Improved work from Comprehensive Exam II and submitted it to Phys. Rev. Fluids (published in Summer 2017). Finished graduate coursework.

**Summer - Fall 2017:** Started two projects in convection: one studying internally heated, stratified convection, and another studying how to use boundary value problems (BVPs) to fast-forward convective solutions in order to save computational time.

**Spring 2018:** Submitted paper on BVPs to Phys. Rev. Fluids. Continuing work on internally heated convection. Getting married April 2018.

**Summer 2018:** Finalize work on internally heated convection, submitting results to The Astrophysical Journal by end of summer. *End of funding of Hale fellowship.*

**Fall 2018:** ***Start of proposed funding from NESSF.*** Determine proper atmospheric setup for simulations with Kramers' opacity and determine how to control Mach number of these simulations.

**Spring 2019:** Run final Kramers' opacity simulations, analyze and finalize results on the effects of Mach number on these simulations. Submit to The Astrophysical Journal.

**Summer-Fall 2019:** Determine proper atmospheric setup for simulations with hydrogen ionization and recombination. Run simulations and analyze data. Submit results to the Astrophysical Journal.

**Spring 2020:** Write thesis, which will cover the work of the five published papers above. Defend thesis and graduate with Ph. D. in Astrophysical & Planetary Sciences.