

Evan H. Anders

Biographical Sketch

Department of Astrophysical and Planetary Sciences

University of Colorado, Boulder

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Professional Preparation

Whitworth University	Physics	BS May 2014
University of Colorado, Boulder	Astrophysics	MS December 2017
University of Colorado, Boulder	Astrophysics	PhD Expected May 2020

Appointments

NASA NESSF/FINESST Fellow	University of Colorado, Boulder	Sept 2018 –
George Ellery Hale Fellow	University of Colorado, Boulder	Sept 2015 – Aug 2018

Publications

Publications most closely related to the proposed project

- **Anders, E. H.,** Lecoanet, D., & Brown, B. P., “Entropy Rain: Dilution and Compression of Thermals in Stratified Domains,” 2019, *The Astrophysical Journal* 884, 1:65.
- **Anders, E. H.,** Manduca, C. M., Brown, B. P., Oishi, J. S., & Vasil, G. M., “Predicting the Rossby Number in Convective experiments,” 2019, *The Astrophysical Journal* 872, 2:138.
- **Anders, E. H.,** Brown, B. P., & Oishi, J. S., “Accelerated evolution of convective simulations,” 2018, *Physical Review Fluids* 3, 8:083502.
- **Anders, E. H. & Brown, B. P.,** “Convective heat transport in stratified atmospheres at low and high Mach number,” 2018, *Physical Review Fluids* 2, 8:083501.

Other Publications

- Karki, S., Tuyenbayev, D., Kandhasamy, S., Abbott, B. P., Abbott, T. D., **Anders, E. H.,** Berliner, J., Betzwieser, J., Cahillane, C., Canete, L., Conley, C., Daveloza, H. P., De Lillo, N., Gleason, J. R., Goetz, E., Izumi, K., Kissel, J. S., Mendell, G., Quetschke, V., Rodruck, M., Sachdev, S., Sadecki, T., Schwinberg, P. B., Sottile, A., Wade, M., Weinstein, A. J., West, M., and Savage, R. L., “The Advanced LIGO photon calibrators,” 2016, *Review of Scientific Instruments* 87, 11:114503

Synergistic activities

- I participated in UC Santa Cruz’s ISEE Professional Development Program twice, where I created and taught pedagogically-sound outreach modules to teach entering college freshmen about exoplanet transits (year 1) and buoyancy (year 2).
- I served on many committees at CU Boulder, including multiple years on the graduate admissions committee, where I led the development and use of rubrics in the graduate admissions process to ensure more equitable evaluation of applicants.
- I served as an administrator of the CU Boulder Science, Technology, and Astronomy RecruitS (CU-STARS) program for three years, with duties including coordinating outreach trips to high schools, mentoring undergraduates, and designing hands-on activities in exoplanetary science, black holes, and atmospheric dynamics.
- I helped mentor two undergraduate students in year-long projects; one of these projects eventually resulted in a publication (Anders, Manduca et al. 2019).

Eligibility

- I, Evan H. Anders, am a citizen of the United States of America.
- I will complete my doctoral degree in astrophysics before 1 October 2020.