

## Eric Van Clepper

### Contact Information

Department of Geophysical Sciences  
University of Chicago  
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### Education

2020 - : Ph.D. Candidate, Geophysical Sciences, University of Chicago, Chicago, IL  
2015 - 2019: BA *cum laude* Astronomy, Planetary Science, Northwestern University, Evanston, IL

### Employment

2020 - : Research and Teaching Assistant, University of Chicago, Chicago, IL  
*Advisor: Fred Ciesla*  
2019 - 2020: N'Cat Tutor, Northwestern University, Evanston, IL  
2017 - 2019: Undergraduate Research Assistant, Northwestern University, Evanston, IL  
*Advisor: Giles Novak*

### Selected Grants

2023 NASA FINESST  
2018 Northwestern Weinberg Research Grant  
2018 NASA ISG Summer Research Grant  
2017 NASA ISG Summer Research Grant

### Publications

#### First Author Publications

**Van Clepper, Eric**, Price, E. M., and Ciesla, F. (2025) "Three-dimensional transport of solids in a protoplanetary disk containing a growing giant planet." *The Astrophysical Journal* 980:201 <https://doi.org/10.3847/1538-4357/ada8a4>

**Van Clepper, Eric.**, Bergner, J., Bosman A., Bergin E., and Ciesla F. (2022) "Chemical Feedbacks of Pebble Growth: Impacts on CO Depletion and C/O Ratios." *The Astrophysical Journal* 927:206. <https://doi.org/10.3847/1538-4357/ac511b>

#### Other Publications

Price, Ellen M., **Van Clepper, E.**, and Ciesla F. (2025) "Dynamics of Small, Constant-size Particles in a Protoplanetary Disk with an Embedded Protoplanet." *The Astrophysical Journal* 979:37 <https://doi.org/10.3847/1538-4357/ad9f35>

Seligman, Darryl Z., Rogers, L., Cabot, S., et al. **incl. Eric Van Clepper** (2022) "The Volatile Carbon-to-oxygen Ratio as a Tracer for the Formation Locations of Interstellar Comets." *The Planetary Science Journal* 3:150. <https://doi.org/10.3847/PSJ/ac75b5>.

Chuss, David T., Andersson, B-G., Bally, J., et al. **incl. Eric Van Camp\*** (2019) "HAWC+/SOFIA Multiwavelength Polarimetric Observations of OMC-1." *The Astrophysical Journal* 872:187. <https://doi.org/10.3847/1538-4357/aafd37>.

Santos, Fabio P., Chuss, D., Dowell C., et al. **incl. Eric Van Camp\*** (2019) "The Far-Infrared Polarization Spectrum of  $\rho$  Ophiuchi A from HAWC+/SOFIA Observations." *The Astrophysical Journal* 882: 113. <https://doi.org/10.3847/1538-4357/ab3407>.

\*Last name changed from Van Camp to Van Clepper in 2021