

Abstract Submitted  
for the OSS17 Meeting of  
The American Physical Society

**One-Dimensional Photochemical Model of Mars's Upper Atmosphere** ANDREW RICHARDSON, presenter — The goal of this study is to create a one-dimensional photochemical computer model of Mars's upper atmosphere. With this model, we hope to be able to study the effects of solar variability on the upper atmosphere. Simulations will be performed that look at the ionization processes that shape the atmosphere and how the atmospheric composition changes. I will present on the early stages of computational model building and an overview of my model.

Andrew Richardson  
presenter

Date submitted: 10 Apr 2017

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