



ATOC COLLOQUIUM

Welcome!

Please join us for the next ATOC Colloquium on **Friday, October 18** from **11:00 AM–12:00 PM**, which will be held in **SEEC S228 and simulcast over Zoom**. This week's colloquium features **Dr. Yunqian Zhu (NOAA CSL)**. Please join us for conversation beginning at 10:45 AM and stay for lunch afterwards.

The Evolution and Impact of the 2022 Hunga Eruption

The 2022 Hunga volcano erupted a significant amount of water vapor and moderate SO_2 into the stratosphere causing an unusual response in the climate system. Many interesting and unexpected phenomena occur after this eruption due to the water injection, such as quick formation and descending of volcanic sulfate, large aerosol extinction efficiency, mid-latitude ozone depletion, strong stratospheric and mesospheric cooling, etc. This presentation will give a discussion of several interesting observations and subsequent questions arising from the Hunga Tonga research community, with a focus on climate modeling efforts.



Location: SEEC S228 & Zoom

Zoom:

<https://cuboulder.zoom.us/j/96503809060>

Password: ATOC

About the ATOC Colloquium

The Department of Atmospheric and Oceanic Sciences (ATOC) Colloquium is typically held **every other Friday** from **11:00 AM–Noon**. Colloquia alternate between the following formats: (A) Full-length talk by a faculty member or invited speaker, (B) Three conference-length talks by graduate students. If you would like to nominate a speaker (including self), please email the ATOC Colloquium Committee Chair, Prof. Jianghanyang (Ben) Li (Jianghanyang.li@colorado.edu). Please visit www.colorado.edu/atoc/colloquium for further details.