

SEMINAR

Climate impacts of ancient, massive volcanic eruptions and implications for Earth's future

Ben Black

Assistant Professor
The City College of New York

Volcanic eruptions can span more than ten orders of magnitude in scale and duration, extending well beyond events in the historical record. Investigating volcanic end-members such as the voluminous eruptions known as flood basalts offers insights into how the climate system has responded to a range of volcanic forcings through Earth's history. Paleoclimate proxies suggest rapid, intense carbon release was a key component of the environmental consequences of flood basalt volcanism. These past intervals of stress serve as potential touchstones for future climate change.

Wednesday, August 1, 2018, 3:30 p.m.

Refreshments 3:15 p.m.

NCAR Foothills Laboratory

3450 Mitchell Lane, Boulder, CO 80301

FL2-1001, Small Seminar Room

Live webcast: <http://ucarconnect.ucar.edu/live>

For more information please contact Bonnie Slagel, bonnie@ucar.edu, phone 303-497-8318.