



EXPERIENCE THE 2017 ECLIPSE ACROSS AMERICA THROUGH THE EYES OF NASA <http://eclipse2017.nasa.gov>

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Credit: Rick Fienberg, TravelQuest International and Wilderness Travel



Credit: S. Habbal, M. Drudekuller and P. Aniol

LAND & ATMOSPHERIC RESPONSES TO THE ECLIPSE



Overview

Using an array of ground-based instruments and weather balloons, Bohumil Svoma, Jeffrey Wood, and their team from the University of Missouri in Columbia, along with students and citizen scientists, will meticulously map the response of the land and lower atmosphere to the total solar eclipse.

Eclipse Science

Measuring the temperature, humidity, winds, and carbon dioxide exchange throughout the Columbia, Missouri, area will give new insight into Earth's response to eclipses. As the partial eclipse becomes total, the solar radiation in a given place will decrease more than three times faster than during a normal Sunset, potentially prompting unique responses from plants and the local weather.

ADDITIONAL RESOURCES:

Science Home Page: <https://science.nasa.gov/>

