



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

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

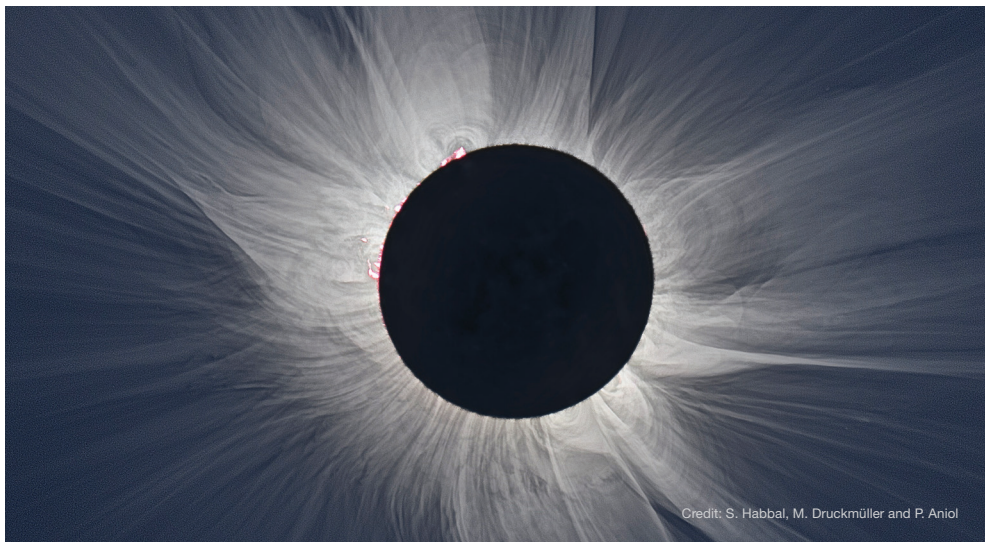


Credit: Rick Fienberg, TravelQuest International and Wilderness Travel

MEASURING POLARIZATION OF SOLAR CORONA

Overview

Padma Yanamandra-Fisher of the Space Science Institute in Rancho Cucamonga, California will lead an effort to take images of part of the Sun's atmosphere, the solar inner corona—visible only during total solar eclipses—in polarized light. Light becomes polarized as it passes through some kind of medium.



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Eclipse Science

The experiment will map the two-dimensional electron distribution in the inner solar corona, which will provide input for models that address the question of why the Sun's atmosphere, the corona, is so much hotter than its surface. The experiment, PACA_Pol-Net, builds on the work of a citizen science project known as Citizen CATE and will be conducted from two sites: Teton, Idaho and Carbondale, Illinois.

ADDITIONAL RESOURCES:

The Sun-Earth Connection: <https://nasa.gov/sunearth>

Citizen CATE: <http://eclipse2017.nso.edu/citizen-cate/>

