

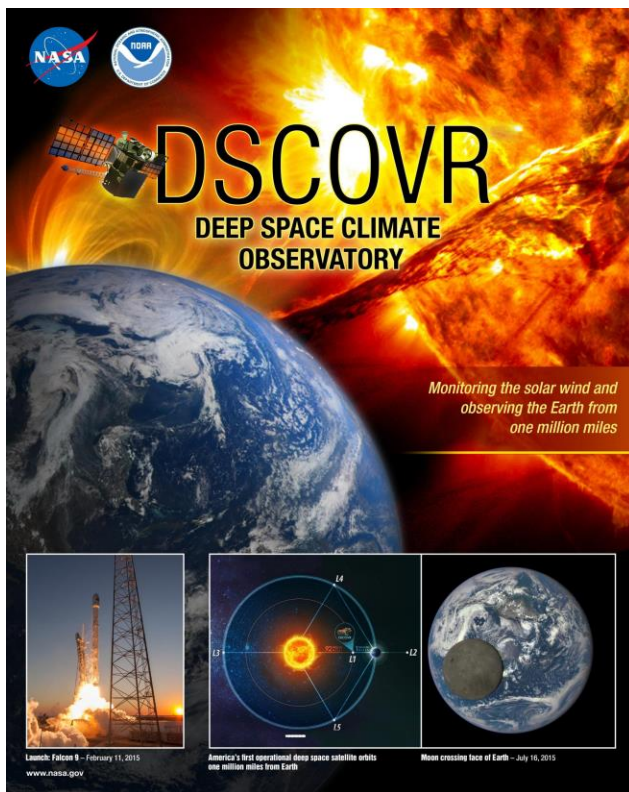


Credit: Rick Fienberg, TravelQuest International and Wilderness Travel

DSCOVER

Overview

NOAA's Deep Space Climate Observatory (DSCOVR) mission is a partnership between NOAA, NASA, and the U.S. Air Force. DSCOVR is a spacecraft that orbits between Earth and the Sun, observing and providing advanced warning of particles and magnetic fields emitted by the Sun, also known as solar wind. DSCOVR also observes Earth and provides measurements of the radiation reflected and emitted by Earth and images of the sunlit side of Earth for science applications.



Eclipse Science

DSCOVR is approximately one million miles away from Earth and therefore will be able to see the Moon pass in front of Earth during the eclipse. The Earth Polychromatic Imaging Camera (EPIC) will take pictures and attempt to validate a 3-D radiative transfer model using coordinate measurements at the top of the atmosphere as the moon passes in front of the Earth.

ADDITIONAL RESOURCES:

Mission Project Home Page: <https://epic.gsfc.nasa.gov/>

Additional Information: <https://www.nesdis.noaa.gov/content/dscovr-deep-space-climate-observatory>

