

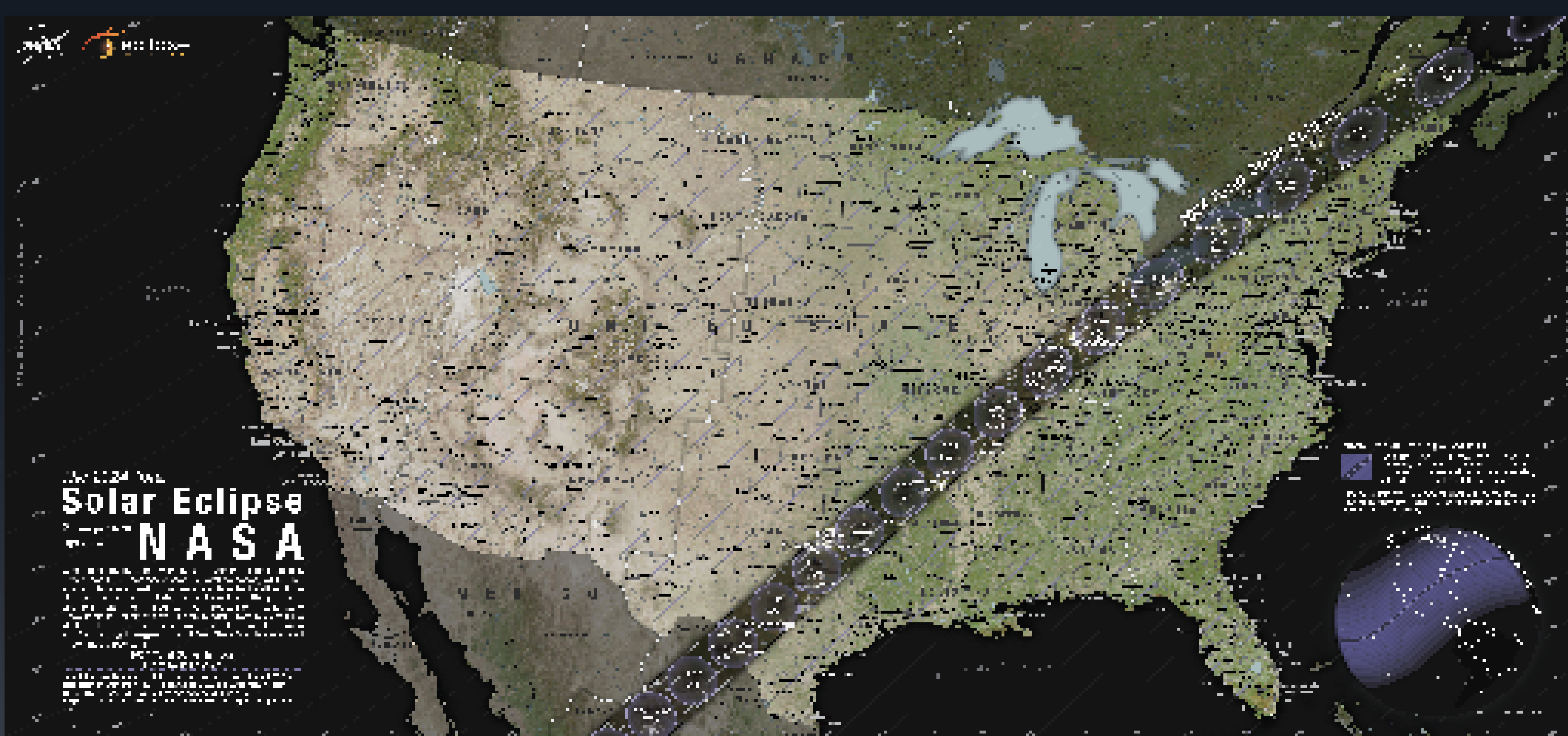
TOTAL SOLAR ECLIPSE

MONDAY, APRIL 8, 2024



US TOTAL SOLAR ECLIPSE PATH

On April 8, 2024, a total solar eclipse will cross North America creating a path of totality.



Credit: Michala Garrison and the Scientific Visualization Studio (SVS), in collaboration with the NASA Heliophysics Education Activation Team (NASA HEAT), part of NASA's Science Activation portfolio. Eclipse Calculations by Ernie Wright, NASA Goddard Space Flight Center.

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Updated resources for safety, NASA science, and history

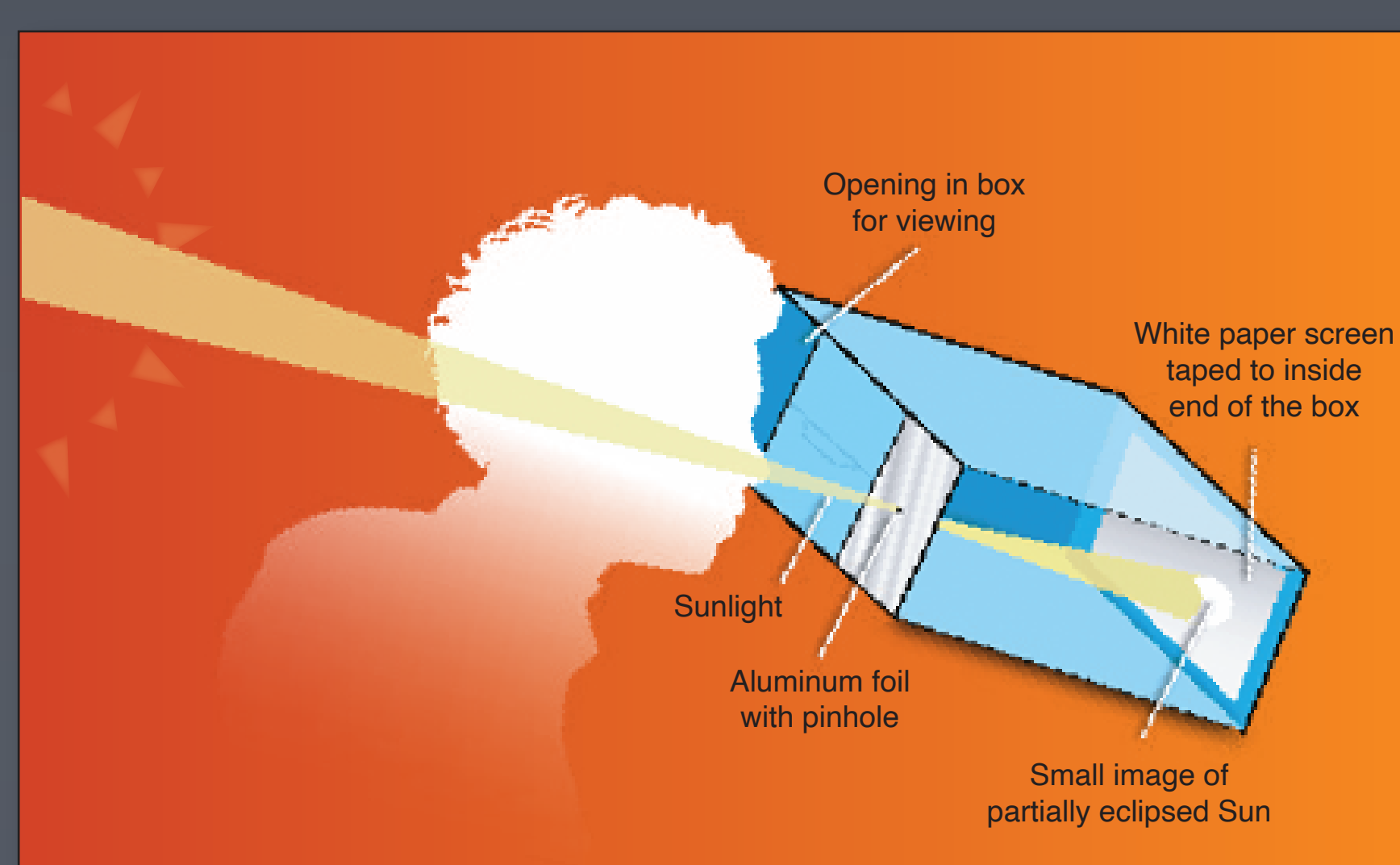
HELIOPHYSICS BIG YEAR

October 2023 - December 2024
A global celebration of heliophysics science



go.nasa.gov/HelioBigYear

SAFE ECLIPSE VIEWING



Credit: NASA

Make your own eclipse projector to see the projection of the Sun during a partial eclipse. Materials: a cardboard box, a white sheet of paper, tape, scissors, and aluminum foil.

Do you have a colander at home? The circular holes of a colander project crescent images of the Sun onto the ground during the partial phases of a solar eclipse. Be sure that when using, the Sun is always behind you!

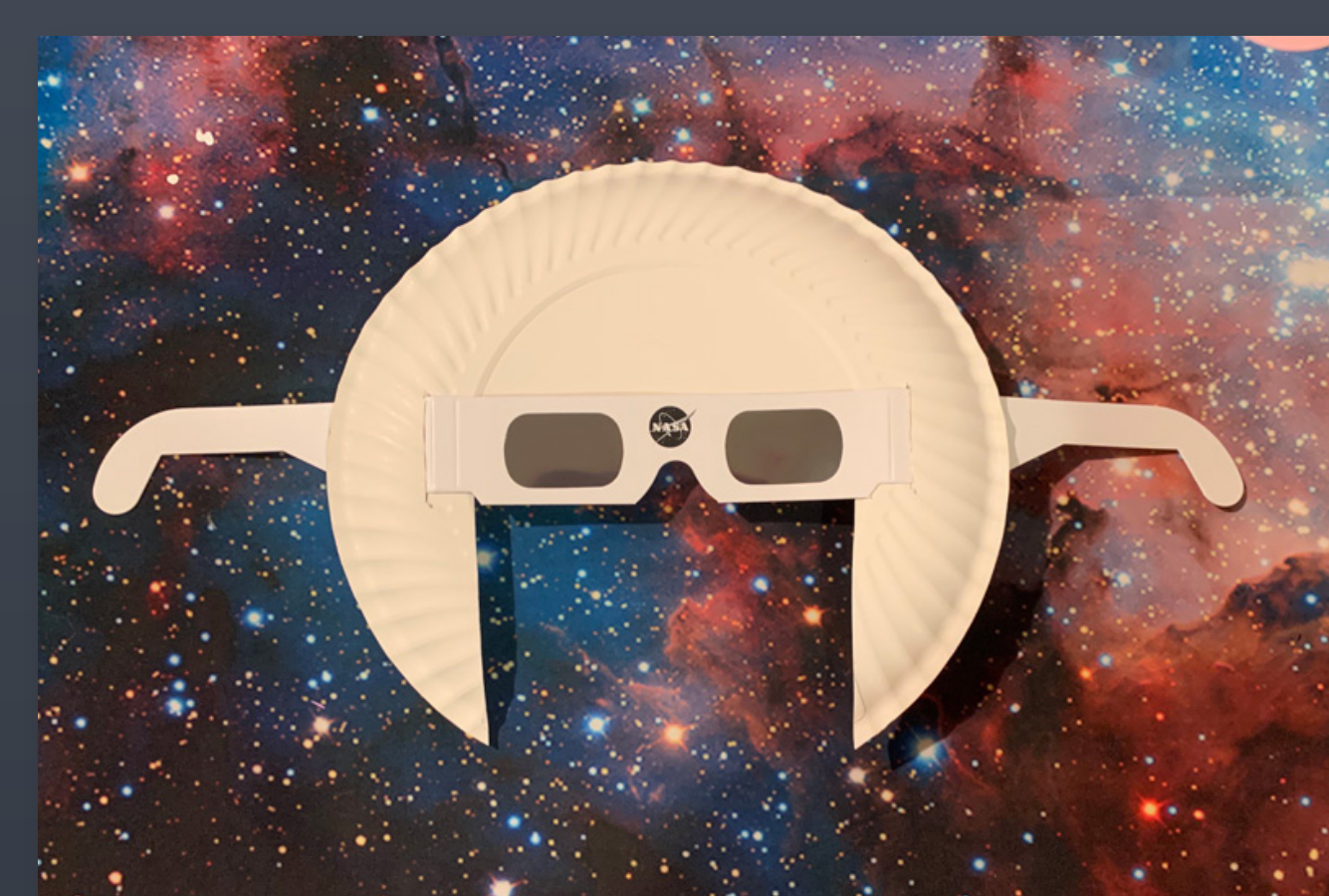


Credit: NASA/Joy Ng

When watching a partial or total solar eclipse directly with your eyes, you must look through safe solar viewing glasses ("eclipse glasses"), a safe handheld solar viewer, or other safe solar filters at all times. Safe solar filters must comply with the ISO 12312-2 international standard.



Credit: NASA/Shannon Reed

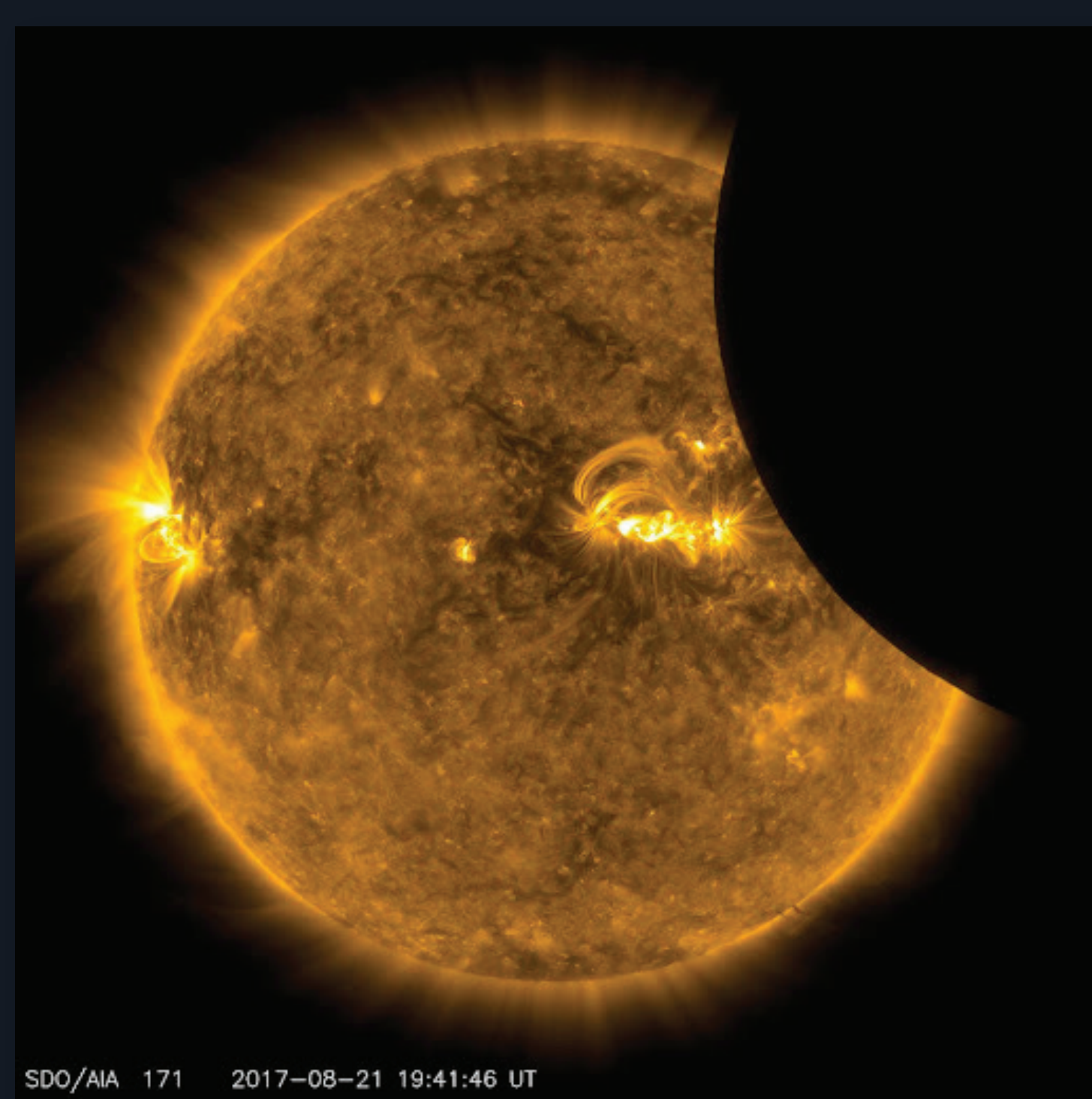
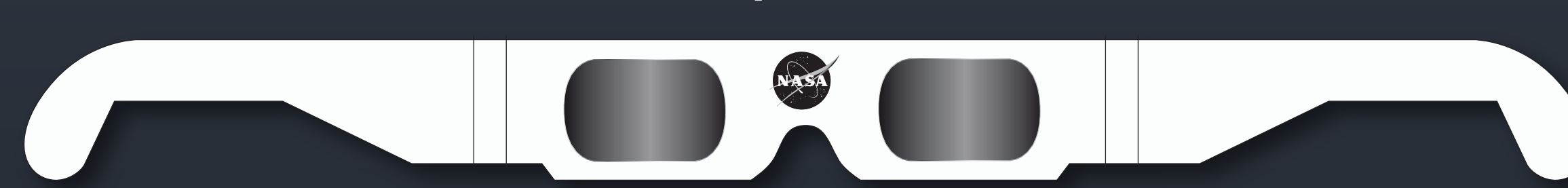


Credit: NASA/Lani Sasser

Learn how to decorate your eclipse glasses any way you want to safely view the eclipse! The examples above were created using paper plates, heavy cardstock, scissors, markers, tape, and ribbon.



science.nasa.gov/learn/heliophysics/eclipse-essentials-safe-and-stylish-solar-eclipse-glasses/



SDO/AIA 171 2017-08-21 19:41:46 UT

Credit: NASA/GSFC/SDO



2024 Total Solar eclipse

THROUGH THE EYES OF NASA



Credit: NASA/Nat Gopalswamy