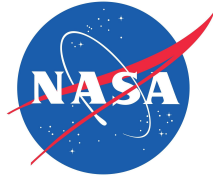


INTERPRETING the ANCIENT & MODERN SUN-WATCHING LOGO



The PUNCH Outreach logo is worn as a pin or patch by the diverse people on the PUNCH mission team who help with our outreach efforts. [This now includes you!](#) We thank you!



Ancestral Puebloan people living in Chaco Canyon created this rock carving (called a *petroglyph*). This may be their impression of the 1097 total solar eclipse, possibly with a solar storm in the corona. Chaco is a World Heritage site in New Mexico with lots of evidence for ancient Sun-watching.



Modern scientists created this image of the 2013 total solar eclipse. When the Moon totally blocks light from the Sun's disk, we can see the streamers of the solar corona. The eclipses of 1097, 2013 (and 2024!) are all among those that have occurred during a period when solar storms are more likely.



The PUNCH Outreach logo combines these two images to represent our *Ancient & Modern Sun-Watching* theme.

ANCIENT PETROGLYPH MEETS MODERN PHOTOGRAPHY



NASA PUNCH Outreach

Ancient & Modern Sun-Watching



tinyurl.com/PUNCHOutreach

WHAT IS PUNCH OUTREACH?

The PUNCH Outreach theme of *Ancient & Modern Sun-Watching* invites you to consider:

- NASA missions that explore the Sun
- Ancient Sun-watching in Chaco Canyon, NM
- **YOU as an avid Sun-watcher!**

All cultures observe the Sun. NASA exploration of the Sun is a natural extension of age-old human dedication to observing and learning to live with the rhythms and mysteries of our very own star.

Our ancestors learned to live in harmony with the Sun's seasonal cycle. The PUNCH mission helps us learn to live well with the 11-year sunspot cycle.

PUNCH is designed to track solar storms that travel from the Sun's corona all the way out to Earth's orbit. Such storms start in sunspot regions.

Contact: punchoutreach@gmail.com

WANT TO LEARN MORE?

Use the QR code at top right to find links to the first four resources listed below.

- ☀ Watch the *How-To* short videos linked from our *3-Hole-PUNCH Pinhole Projector* page.
 - ☀ Search *PUNCH Team Cards* online for your favorite *Fun Sun Fact* or *Inspiring Animal*.
 - ☀ Try your hand at our drag & drop *Sun Fun Fill-in-the-Blank* games.
 - ☀ Explore "*What is Heliophysics?*" to learn more about the science of the PUNCH mission.
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- ☀ On a sunny day, count how many places you can find pinhole images of the Sun!
 - ☀ Visit *spaceweather.com* to find out how many sunspots are visible on the Sun today!