

## References and Resources for *The Petroglyph Inquiry* by NASA PUNCH Outreach

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This section includes: 1) Educational resources facilitators can use to enrich learner experience of the Petroglyph Inquiry, and 2) Academic citations that help to validate the content included in the guided descriptions of the seven images used in the Petroglyph Inquiry.

### Educational Resources:

The first two resources listed below are especially valuable for blind and low-vision learners.

1. A 2.5-min Podcast by *Scientific American*: “Solar Eclipse in 1097 May Be Rock-Carving Subject” (18 Aug 2017)  
[www.scientificamerican.com/podcast/episode/solar-eclipse-in-1097-may-be-rock-carving-subject/](http://www.scientificamerican.com/podcast/episode/solar-eclipse-in-1097-may-be-rock-carving-subject/)
2. A 5-min Video with visually descriptive narration by NASA PUNCH Outreach: “Rock of the Sun in Chaco Canyon” (Released Mar 2024)  
[punch.space.swri.edu/punch\\_outreach\\_rock-of-the-sun-in-chaco-canyon.php](http://punch.space.swri.edu/punch_outreach_rock-of-the-sun-in-chaco-canyon.php)
3. Web Site on the *Sun and Space Weather* by the UCAR Center for Science Education:  
[scied.ucar.edu/learning-zone/sun-space-weather](http://scied.ucar.edu/learning-zone/sun-space-weather)
4. Press Release from the University of Colorado: “Chaco Canyon petroglyph may represent ancient total eclipse” (Released Aug. 8, 2017)  
[colorado.edu/today/2017/08/08/chaco-canyon-petroglyph-may-represent-ancient-total-eclipse](http://colorado.edu/today/2017/08/08/chaco-canyon-petroglyph-may-represent-ancient-total-eclipse)
5. Article by the *Smithsonian Magazine* “This New Mexico Petroglyph Might Reveal an Ancient Solar Eclipse: In 1097, a Pueblo artist may have etched a rare celestial event into the rock for all of posterity” by [Ben Panko](#) (August 17, 2017)  
[smithsonianmag.com/science-nature/does-new-mexico-petroglyph-represent-ancient-eclipse-180964542/](http://smithsonianmag.com/science-nature/does-new-mexico-petroglyph-represent-ancient-eclipse-180964542/)
6. Feature article by NASA Heliophysics: “Recently Discovered Comet Seen During 2020 Total Solar Eclipse” (18 Dec 2020).  
[nasa.gov/feature/goddard/2020/recently-discovered-comet-seen-during-2020-total-solar-eclipse-SOHO](http://nasa.gov/feature/goddard/2020/recently-discovered-comet-seen-during-2020-total-solar-eclipse-SOHO)

### Academic References:

1. Morrow, C., Johnson, D., Cornucopia, G., & Malville, J. (2023). NASA PUNCH Outreach and the Eclipse Petroglyph Site in Chaco Canyon. *Bulletin of the AAS*, 55(6). Retrieved from  
<https://baas.aas.org/pub/2023n6i105p02>
2. Vaquero, J.M. & J. McKim Malville. (2014). “On the solar corona petroglyph in the Chaco Canyon.” *Mediterranean Archaeology and Archaeometry*, Vol. 14, No 3, pp. 189-196.  
[academia.edu/36832101/ON\\_THE\\_SOLAR\\_CORONA\\_PETROGLYPH\\_IN\\_THE\\_CHACO\\_CANYON](http://academia.edu/36832101/ON_THE_SOLAR_CORONA_PETROGLYPH_IN_THE_CHACO_CANYON)
3. Bianchi, Simone & Gasperini, Antonella & Galli, Daniele & Palla, Francesco & Brenni, Paolo & Giatti, Anna. (2010). “Wilhelm Tempel and his 10.8-cm Steinheil Telescope.” *Journal of Astronomical History and Heritage*. 13. 10.3724/SP.J.1440-2807.2010.01.04.  
[https://ui.adsabs.harvard.edu/abs/2010JAHH...13...43B/abstract](http://ui.adsabs.harvard.edu/abs/2010JAHH...13...43B/abstract)
4. Eddy, J. A. (1974) “A Nineteenth Century Coronal Transient”, *Astronomy and Astrophysics*, Vol. 34, p. 235 (August 1974) <https://articles.adsabs.harvard.edu/pdf/1974A%26A....34..235E>