

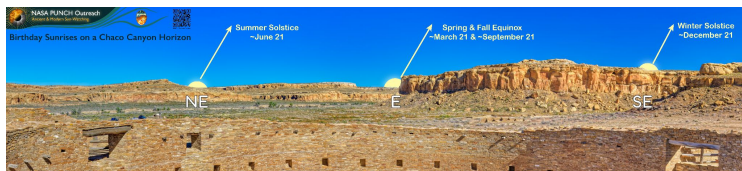
PUNCH Public Engagement Monthly Newsletter Issue 13: Nov 2023

Shining New Light on Diverse Views of the Sun
with our Ancient & Modern Sun-Watching Theme



Did You Know....

...that the sunrise changes position on the horizon throughout the year? Field testing indicates that most contemporary people (no matter what their educational background) are unfamiliar with this phenomenon. The tabletop poster below supports a learning activity called [Birthday Sunrises on a Chaco Canyon Horizon](#) which invites participants to consider the "horizon calendar" from a [Great Kiva](#) in [Chaco Canyon](#), NM, and to estimate where the Sun rises on their birthday.

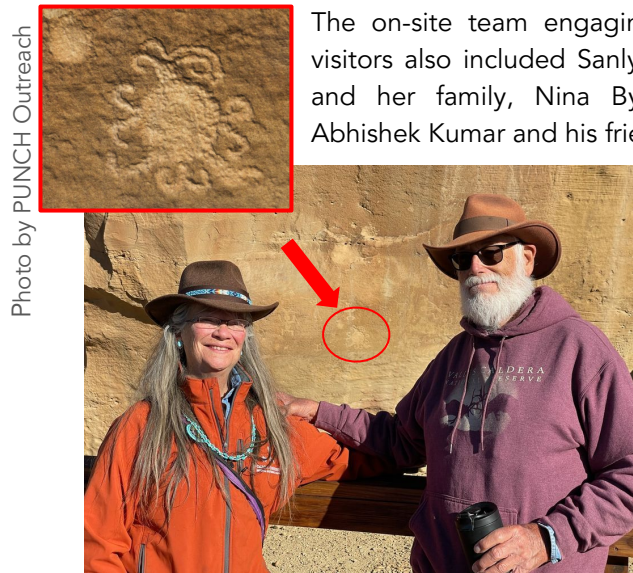


[Downloadable poster](#): Photography & layout by Duke Johnson & Briana Ingermann

Space.com & NASA TV Feature PUNCH Outreach

[Jamie Carter](#) wrote a compelling story for space.com regarding his observations of the 14 October annular eclipse from [Chaco Canyon](#). He mentions [PUNCH Outreach](#), including Outreach Director, Cherilynn Morrow (below left) and Outreach partner, GB Cornucopia (below right).

The on-site team engaging Chaco visitors also included Sanlyn Buxner and her family, Nina Byers, and Abhishek Kumar and his friend Sam.



The "[eclipse](#)" [petroglyph](#) (red circle) is located at a Chaco Sun-watching site created by Ancestral Puebloan people that PUNCH Outreach calls *Rock of the Sun*. We are collaborating with modern Puebloan people to develop a culturally appropriate interpretation of the site. Also, see [PUNCH Science Co-I, Nicki Viall on NASA TV](#) during the annular eclipse webcast from the Albuquerque Balloon Fiesta.

Visit punch.space.swri.edu for more about the **NASA PUNCH** mission and its [Outreach program](#). **For questions or photo submissions:** Outreach Deputy Program Manager (jtrump@slco.org) & Outreach Director (cherilynn.morrow@gmail.com). [View the Newsletter Archive](#).

PUNCH Outreach: Training and Materials for Scientists

PUNCH Outreach provided training and materials in October and November to support [HAO](#) and [NSO](#) scientists doing outreach at [Hovenweep National Monument](#) in Utah (14 Oct) and at the [National Society of Black Physicists](#) (NSBP) conference (Knoxville, TN, 9 - 11 Nov). We are now working to support scientists at the [AGU](#) meeting (San Francisco, Dec 2023) and the [AAS](#) meeting (New Orleans, Jan 2024)

For educators, we are planning our approved workshop for the [Space Exploration Educators Conference](#) (Houston, Feb 2024). We are also adding to our [suite of outreach products](#) as we approach the next eclipse in April, (e.g., polarized light).



Marcel Corchado-Abelo facilitating our [Birthday Sunrises](#) activity at NSBP

Photo by Sarah Gibson

Your Solar Photo of the Month

Every month we feature a photo [submitted by readers](#) that portrays a personal experience of the Sun.



"On October 23rd, while participating in a professional development program at the Mars Desert Research Station in Utah, I enjoyed my first-ever opportunity to make an image of the Sun! I used the 100 mm refracting telescope at the Musk Observatory to record a large solar prominence." - J. Trump