

## NASA/HEAT Rice U Status Report – June 2022

Patricia H. Reiff, Rice University

- **Education: Eclipse Trainings in South Texas**

On June 16-17, Prof. Reiff helped by Prof. Penny Morris-Smith of UHD went to Brownsville to provide eclipse training to two summer school groups. (elementary). Dr. Reiff showed the eclipse information in the portable dome and Dr. Morris-Smith took them outside to view the sun using solar eclipse glasses, and also showed them UV beads and other safe solar viewing options. Our hosts paid for our hotel and two lunches while we were there.

Wednesday: packing up materials and driving down

Thursday, June 16: Morningside Elementary, 1025 Morningside Rd, Brownsville TX 78521

Friday, June 17: Ben Brite School “Comets”, 450 S. Browne Ave, Brownsville TX 78521  
then driving home (late)



*Dr. Reiff with one of the classes at Morningside Elementary (these were middle-school students and two teachers). The students learned about eclipses and eclipse safety in the Discovery Dome.*



*Dr. Morris-Smith with students at Morningside Elementary, showing them alignments for eclipses (and why the Moon’s “face” always faces the Earth)*



*Dr. Morris-Smith with students at Morningside Elementary, showing them alignments for eclipses (and why the Moon's "face" always faces the Earth)*



**Participants:**  
 Teachers: 12 people, 8 women, 8 Hispanic.  
 Students: 200, roughly 90 girls; 185 Hispanic, 85% economically disadvantaged  
 Zip codes: 78521

• **Education: Teacher Workshop**

Prof. Reiff gave a 2-hour eclipse training via Zoom to 17 teachers in the TLIIST STEM academy on June 22. (Four of the teachers had tested positive for COVID so the trainings went virtual).

**Participants:**  
 In-service Teachers: 17 people, 14 women, 4 Hispanic, 6 black  
 None economically or physically challenged  
 2 Colleagues (running the program) – one black woman , one white woman  
**Zip Codes:** 77002, 77003, 77109, 77024, 77035, 77036, 77044, 77045, 77053, 77088, 77089, 77204, 77433, 77459, 77520

## ***Summer Solstice***

Once again, we held a summer solstice event at HMNS (and via Zoom) on June 21. We pre-recorded “BRoll” of the activities since the internet from the plaza was not very reliable. HMNS had many activities and demonstrations – solar cooker, fresnel lens, popping balloons, “Sunspotter”, solar telescope etc. .

### **Participants:**

In-person: General Public (mostly families): approximately 150  
Student interns assisting: 9 (high school, 6 girls, 3 boys)

Via Zoom: about 20

**Zip Codes:** 77030 (general public zip codes unknown but all across Houston as well as national and international visitors)

## ***Annular Eclipse and Artemis Animations Additional Distribution***

The annular and total eclipse animations, plus the Artemis animations, are continuing to be distributed. We added descriptive scripts to the Artemis animations, so they could be used as closed-captioned. We already had scripts for the other eclipse animations.

We sent out a notice to the “small planetariums” list this month and have provided digital copies to 65 planetariums so far.

### **Planetariums can sign up to get any of our animations for free here:**

<https://forms.gle/sS8q31qFSDRnhnbX7>

### **Annular eclipse animation** info and links:

[https://space.rice.edu/eclipse/eclipse\\_animations.html](https://space.rice.edu/eclipse/eclipse_animations.html) **Note** the descriptions and links to the individual pieces are given in October 2021 report.

### **Recipients of the animations June 2022:**

Two planetariums requested the eclipse animations in June: (one from India and one from Jawa, Indonesia).

Educators can sign up here: <http://eepurl.com/cv68Qj>