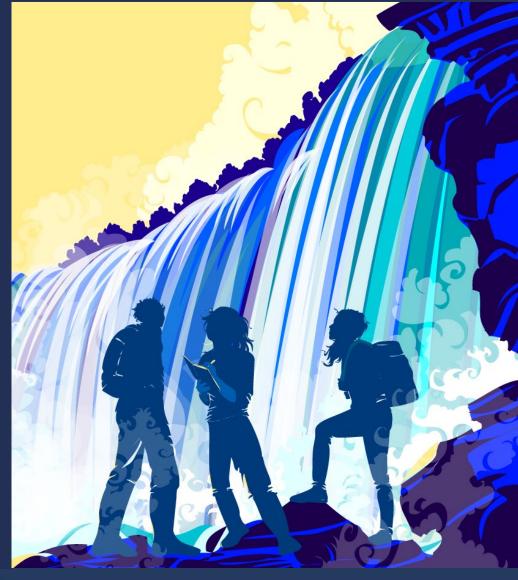
## Engaging Audiences with Eclipses

Kristen Weaver

**GLOBE** Observer team

NASA Goddard Space Flight Center/SSAI

# ECipse



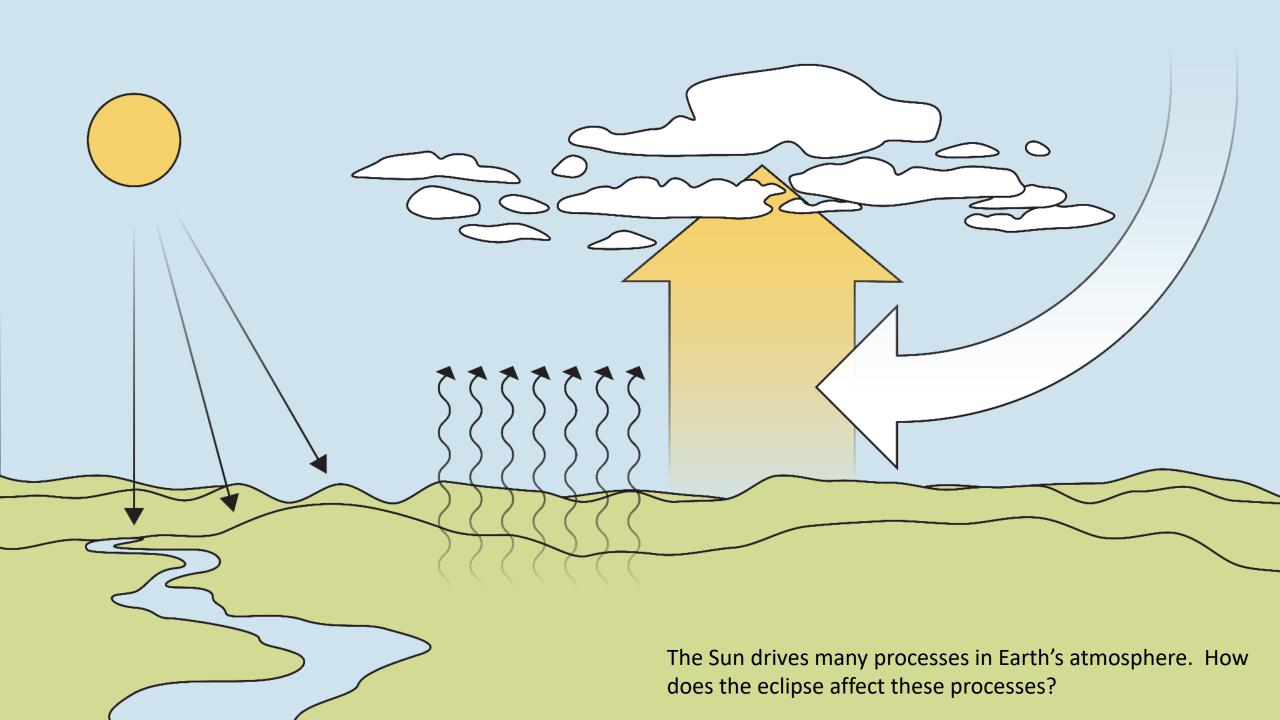
















Document the surrounding landscape and include the thermometer in one photo.



Observe the clouds every 15-30 minutes or anytime there is a change.



Record the air temperature every 5-10 minutes for 2 hours before and after max eclipse.

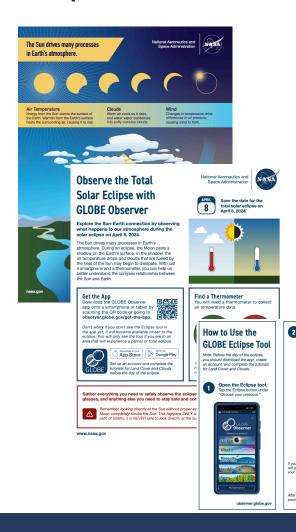






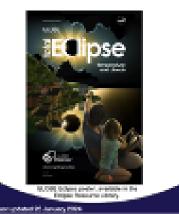


#### **Eclipse Resources**









GLOBE Eclipse: Preparing for April 2024

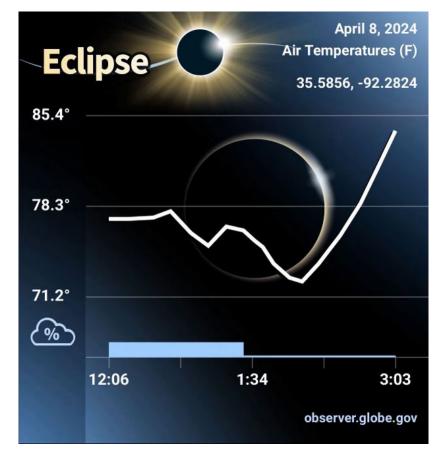
Introduction & Safety











Fairfield Bay, Arkansas, USA Totality length: 4 minutes, 15 seconds (1:52-1:56 local time)



1644 UTC – setting up the site



1901 UTC – eight minutes after totality ended







#### Data collected April 2024:





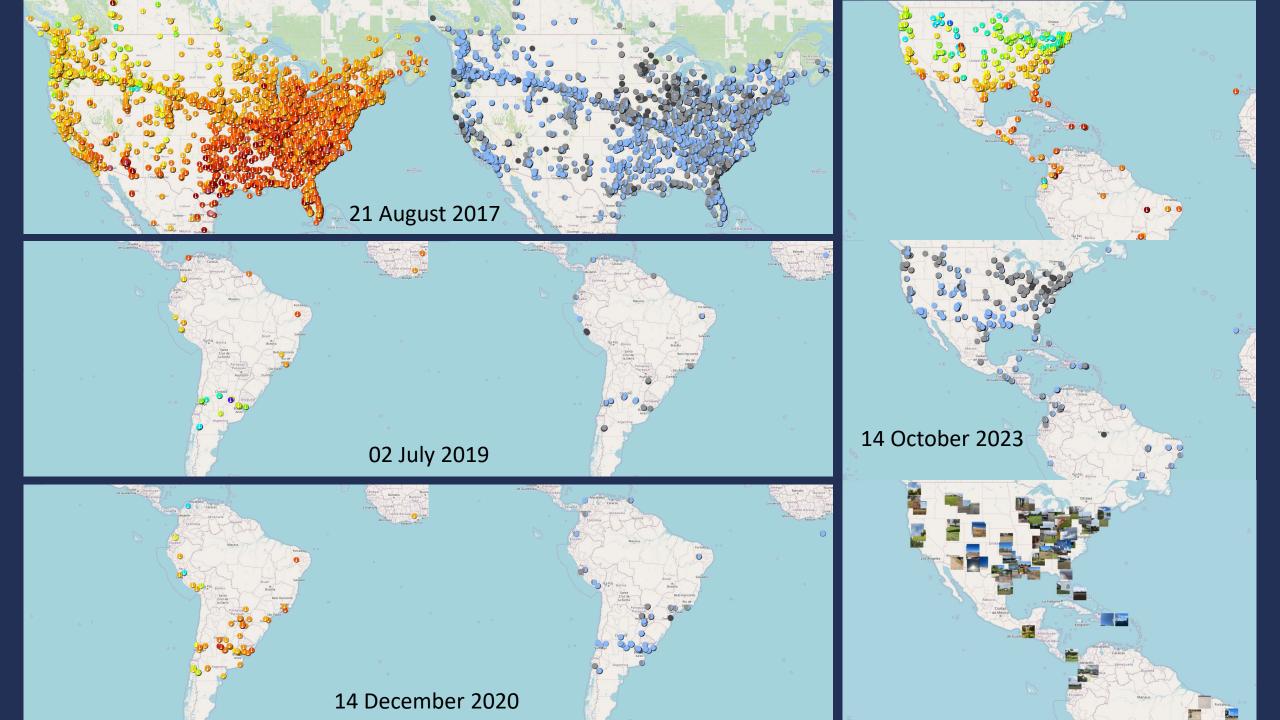


As of July 8: 6,982 clouds observations, 32,384 air temperature data points, and 631 land cover observations from the day of the eclipse in areas with partial and total obscuration.









#### #GLOBEMeeting2024



Jeremy Lewan/WNEP 16



Southfield Public Library



Michelle Carey/CAP

A broadcast meteorologist was among the first to see the eclipse from a boat off the coast of Mazatlán.

Southfield Public Library in Detroit, Michigan was one of many libraries that organized eclipse programming.

Civil Air Patrol teams collected data in every state, DC, and Puerto Rico as part of their Solar Eclipse Mission.







#### #GLOBEMeeting2024

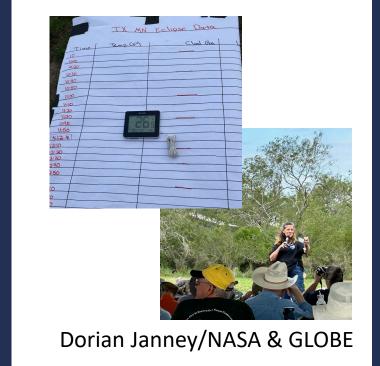




WFOR - Miami



Holli Kohl/NASA & GLOBE



GLOBE activities were part of numerous NASA SunSpot events, including this one for the annular eclipse at the Balloon Fiesta in Albuquerque, New Mexico

Dorian Janney worked with Texas Master Naturalists to help them lead programs and collect data for both the annular and total eclipses.

Various team members did interviews for TV news and the NASA broadcast.



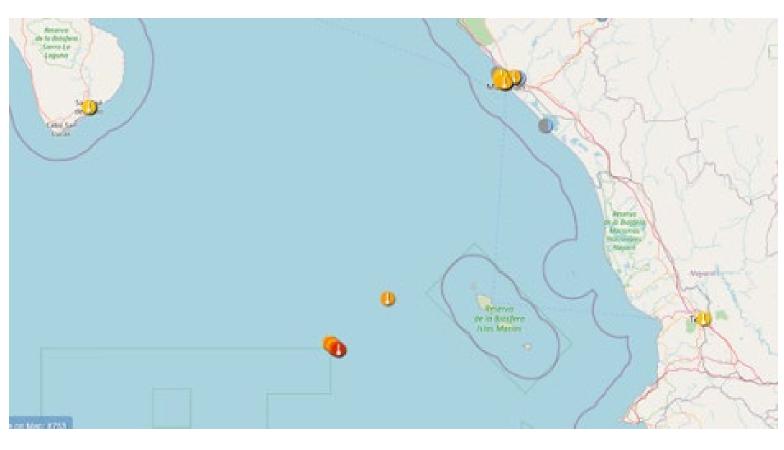












Jeremy Lewan, a meteorologist at WNEP in Central PA sent photos of the data collection setup he had on the M.S. Zaandam cruising off the coast of Mazatlán. Almost certainly the first observations we got in totality!

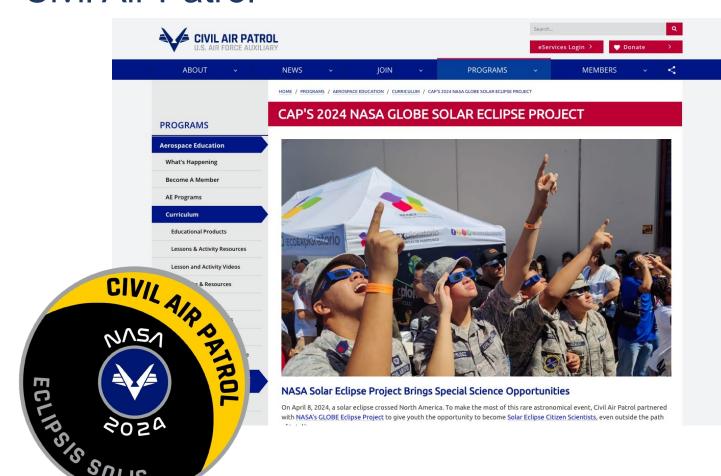




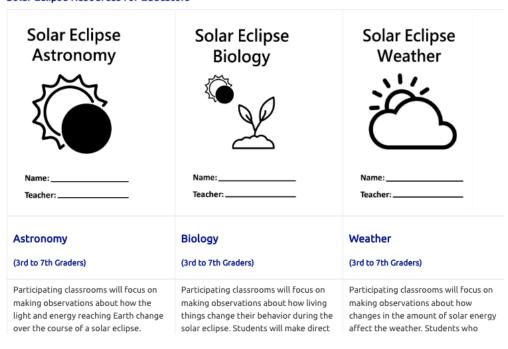




#### Civil Air Patrol



#### **Solar Eclipse Resources for Educators**







"I had so much fun taking part in the Solar eclipse mission. It was such an enjoyable learning experience looking at, classifying, and logging cloud data. I am extremely glad and thankful I was able to participate in this one-in-a-lifetime opportunity!"

"Supporting NASA as citizen scientist during the Solar Eclipse Mission has built on my prior interest in space, and shown me the possibilities for my future, where I hope to move towards designing rockets and other space materials for NASA and the US Space Force."

"The solar eclipse mission was a great experience. It sparked my interest in space and science once again."



























