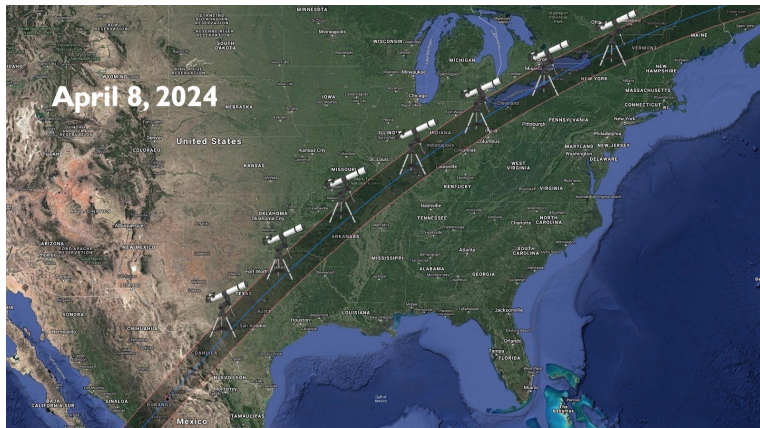


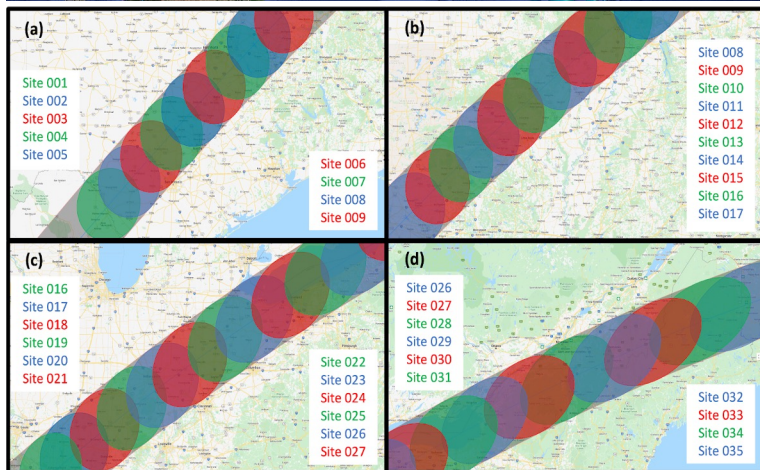
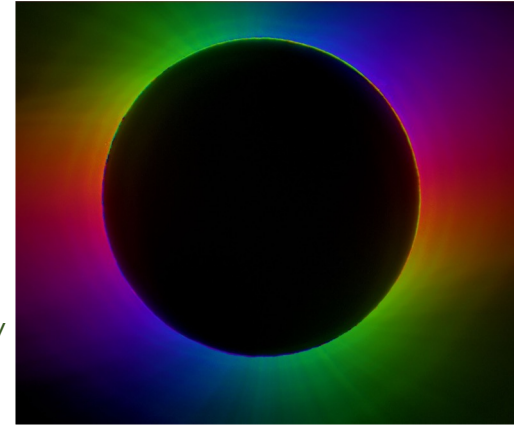
# Citizen CATE 2024 Next-Generation of Coordinated Eclipse Observations

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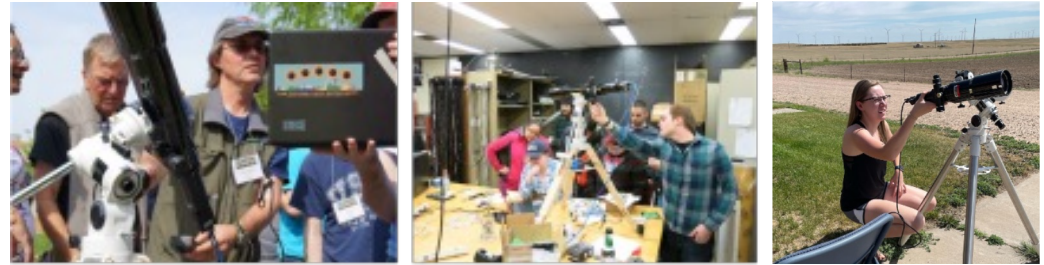
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The Citizen Continental-America Telescope Eclipse (CATE) next-generation experiment will take a 60-minute continuous movie of the solar corona – the Sun's outermost atmosphere – during the April 8, 2024 total solar eclipse using 40+ groups of citizen scientists along the US eclipse path. Using polarized light, we will study fine structure and fast dynamic motion in the lower and middle corona.



Maps of 2024 eclipse path with citizen science team locations. Shape of ellipse represents shape of eclipse shadow at each location.



Left/middle: Citizen CATE training workshops at Southern Illinois University Carbondale (Image credit: Bob Baer) Right: Practice observations in Colorado (Image credit: S. J. Davis)

Join us for an eclipse relay race! We are seeking **volunteers**, **regardless of age or experience**, to observe totality nationwide. CATE offers motivated volunteers a once-in-a-lifetime experience.

- Keep all equipment (full telescope, camera, and laptop setup)
- Get trained by professional astronomers
- Contribute to world-class data collection