



Planning at Federal Agencies (NASA perspective)

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- Provide a high-level overview of NASA activities/role in 2017
- Current plans for 2023/2024
- Set the stage for input from the community (we need your help)



- Leverage brand/resources Leverage NASA. Value of NASA's presence and influence
- **Coordination** Early coordination within NASA and beyond was key: all hands-on deck
- **Sustainability** Unanticipated extended engagement the public wanted more
- **Simplicity** Keep explanations and demonstrations simple!
- Website A well-organized website can lead to well-organized public events
- **Unified messaging -** One message!! All sites pointed to each other in an organized way





- NASA made the decision in September 2016 that the entire agency support the 2017 total solar eclipse.
- SMD began coordination activities across all centers in October 2016 to avoid duplication and ensure awareness of other activities.

What We Did



- Website
- Collaborative partnerships within NASA's Science Mission Directorate (SMD) and with external organizations (AAS, NSF, Commerce, Interior, FEMA, DOT, USPS, Exploratorium, ...)
- Official NASA Viewing Sites (stopping points for broadcast)
- NASA supported events
- General depot for what was happening across the country and beyond

- **5 Focus Areas for 2017 Eclipse**
- Safety NASA's #1 core value and the #1 priority during any event (Strong Coordination with AAS/NSF)
- 1. Science Awareness of missions, science and return on investment
- 1. Education Fundamental learning opportunity of nature's processes
- 1. Public Engagement Unique opportunity for all U.S. to participate
- Citizen Science Several apps for citizens to gather data on nature's processes









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Science





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NASA Communications + Education







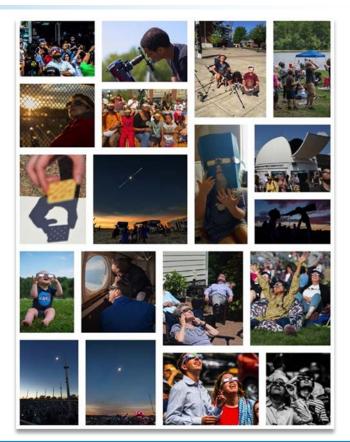
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Public Engagement









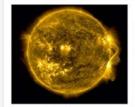
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Citizen Science





CITIZEN SCIENCE



Explore These Opportunities:

Citizen CATE (National Solar Observatory) The Citizen Contenetal-America Telescopic Eclipse (CATE) Experiment will use more than 60 identical telescopes equipoen with digital camenas positioned from Cregon to South Carolina to image the solar corona. The project will then splice these images together to show the corona during a 90-minute period, revealing for the first time the plasma dynamics of the inner solar corona.

eclipse2017.nso.edu/citizen-cate

Get Involved with Real Research!

The 2017 solar eclose presents many opportunities for students, amateur astroomers and filelong learners to get involved with science research. In addition to science prejects focularity on the 2017 eclipse, members of the public can assist NASA in learning about the Sun, Earth, Moon and even eclipses in exoplanetary systems. There are programs at every level from the most basic observations to publishable research opportunities in partnership with NASA and university scientists. Join us and experience the excitement of learning and making real discoveries!

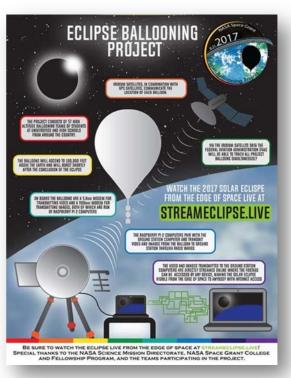
To learn more about citizen science projects at NASA, go to: science nasa.gov/citizenscientists

GLOBE Observer (NASA, NOAA, NSF & U.S. Department of State) - What happens in the atmosphere and on Earth's surface when the Sun's light is blocked, even temporarily? By collecting data during the eclipse, you can help us explore how the eclipse changes atmospheric conditions. You will also be contributing to a database used by students and scientists to study the effects of the eclipse on the atmosphere. Even if you are not on the path of totality, you can provide useful comparison data. General citizen scientists can observe clouds and air temperature with GLOBE Observer, while those interested in pursuing additional online training (especially formal and informal educators) are encouraged to check out other data collection and research ideas from the full GLOBE Program.

NASA

www.globe.gov/web/eclipse/overview

National Aeronautics and Space Administration www.nasa.gov



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Initial Plans for 2023/2024



- NASA Eclipse Advisory Council (Alex Young) [internal/external] [relationship with AAS ETF community is critical]
- NASA Interagency Coordination (NASA official(s)) [external/government]
- NASA Education Action Group (Shannon Reed) [internal]
- Eclipse Community listserv/meeting (Reed/Young) [external] https://forms.gle/NaoZKssPzFrJMh1a6
- Leveraging Other Resources and Partnership (a start)
 - Space Act Agreement with Michael Zeiler and Fred Espenak
 - Space Act Agreement with AAS/NSF co branded resources

We need your help <u>https://forms.gle/NaoZKssPzFrJMh1a6</u>



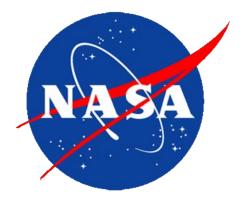


- What interaction did you (do you) have with state and federal agencies for eclipse planning?
- What worked or didn't work with your state/federal interaction for your 2017 eclipse efforts?
- What interaction would you have liked?
- What suggestions do you have for state/federal agencies?
- What needs do you have from state/federal agencies?
- What do you think would be most useful on a NASA eclipse website?





- Brook Kaufman (Visit Casper)
- Patrick Son (National Operations Center of Excellence)
- Cat Catlett (Texas Eclipse Task Force)
- Rik Yeames (New Hampshire Eclipse Task Force)



Thank you!

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