

Timmy Telescope Solar Astronomy Outreach



CHARLIE BATES SOLAR ASTRONOMY PROJECT, NM CHAPTER



Volunteer Educators bringing informal science to the public at no cost

- Museums
- Schools
- Parks
- Libraries
- STEM events
- Conferences
- Special Events

**2017
Summary**

www.TimmyTelescope.com

WHERE WAS TIMMY IN 2017?

108

events in NM

- Albuquerque, NM
- Bernalillo, NM
- Cedar Crest, NM
- Edgewood, NM
- Estancia NM
- Jemez Springs, NM
- Las Cruces, NM
- Los Lunas, NM
- Magdalena, NM
- Nageezi, NM
- Mescalero, NM
- Ruidoso, NM
- Santa Fe, NM
- Socorro, NM

30

events outside NM

- Colorado
- Idaho
- Oregon
- Pennsylvania
- Washington



22,680 miles travelled

1140 volunteer event hours*

*does not include travel time or set-up



51 Museum Events

34 School Events

20 Park Events

20 Library Events

13 Community Events

138 events ~ 25,649 visitors

Preparing for the Eclipse



Studying the path of the Total Solar Eclipse

Record crowds at all the pre-Eclipse Programs and high demand for solar glasses.

Timmy Telescope Solar
Astronomy Outreach
2017



It's All About Light!

Observing the Sun in different wavelengths



Timmy Telescope Solar Astronomy
Outreach ~ 2017



Taking the Spectrum Challenge to discover what elements make up our sun.



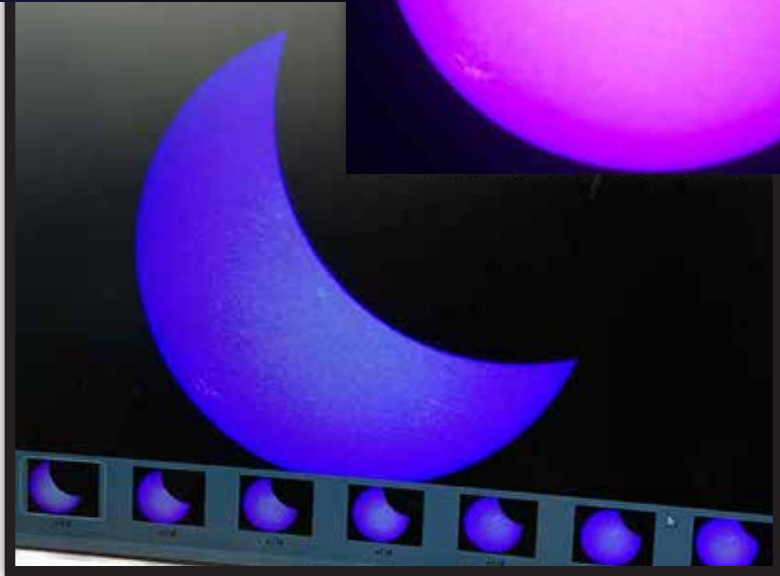
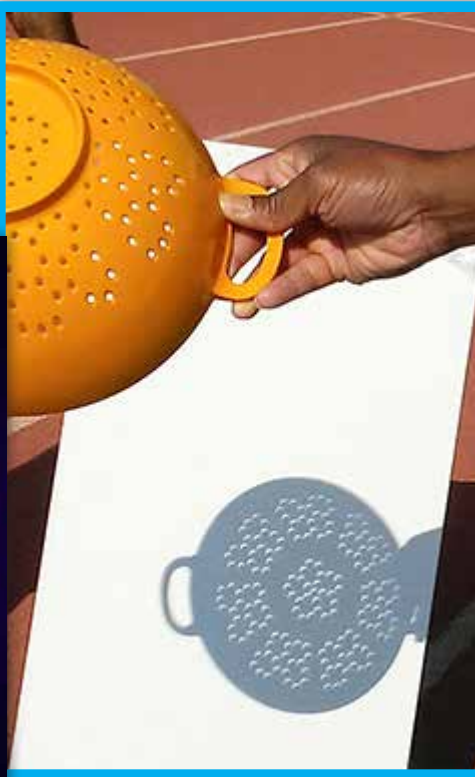
UV Light Sensitive beads were a big hit at all the library programs



"This is the light that changed my beads!"

2017 Total Solar Eclipse ~ Madras, OR

Watching the progress of the eclipse with solar glasses, a colander, through the telescopes, and on the monitor.



Timmy Telescope Solar Astronomy
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Museum visits

- Imagine Childrens' Museum, Everett, Washington
- National Museum of Nuclear Science & History, Albuquerque, NM
- New Mexico Museum of Natural History & Science, Albuquerque, NM
- Sandia Mountain Natural History Center, Cedar Crest, NM

“ It is with great appreciation & thanks to you both for sharing such an amazing, fun and educational program with families. You two are incredible teachers. Your passion bursts through and excites those who benefit from being your student.

I am so grateful to you both for volunteering your time & energy to come and present this program at Imagine Children's Museum.”

Everett, WA



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School Visits



- Albuquerque School of Excellence, NM
- Atrisco Heritage Academy High School, NM
- Bernalillo Middle School, NM
- Carlos Rey Elementary School, NM
- Cesar Chavez Community School, NM
- Eastern Hills Christian Academy, NM
- Ernie Pyle Middle School, NM
- Katherine Gallegos Elementary School, NM
- Los Lunas Family School, NM
- Madras High School, Madras, OR
- Magdalena Middle School, NM
- Mescalero Elementary School, NM
- Monte Vista Elementary School, NM
- Montezuma Elementary School, NM
- New Mexico Institute of Technology, NM
- North Valley Academy, NM
- Oak Grove Classical Academy, NM
- Rt. 66 Elementary School, NM
- Ruidoso Middle School, NM
- Snyder-Girotti Elementary School, PA
- Sunset Mesa Elementary School, NM
- Taft Middle School, NM
- Tinicum Elementary School, PA
- University of New Mexico, NM
- Vanguard High School, CO
- Vista Middle School, NM
- Western Heights Learning Center, NM

“ Thank you so much! The kids learned so much and were still talking about it then next day! ”

North Valley Academy, NM

Park visits

- ABQ Botanic Garden, Albuquerque, NM
- Craters of the Moon National Monument and Preserve, Arco, ID
- Elena Gallegos Open Space, Albuquerque, NM
- Garden of the Gods, Colorado Springs, CO
- Independence National Historical Park, Philadelphia, PA
- John Heinz National Wildlife Refuge, Tinicum, PA
- Petroglyph National Monument, Albuquerque, NM
- Tingley Beach Park, Albuquerque, NM



Library visits



“Thank you both for a fantastic program!
We couldn't have asked for a better
program and lead up to the eclipse.”

Monroe Library, WA

NM Libraries:

- Estancia Library
- Jemez Springs Library
- Santa Fe Library: LaFarge Library, Main Library and Southside Library

Free Library of Philadelphia ~ PA

- Ogontz Library
- Richmond Library
- Wynnefield Library

Sno-Isle Libraries ~ WA

- Brier Library
- Clinton Library
- Coupeville Library
- Darrington Library
- Edmonds Library
- Lake Stevens Library
- Lynnwood Library
- Marysville Library
- Mill Creek Library
- Monroe Library
- Mukilteo Library
- Stanwood Library

Community Events

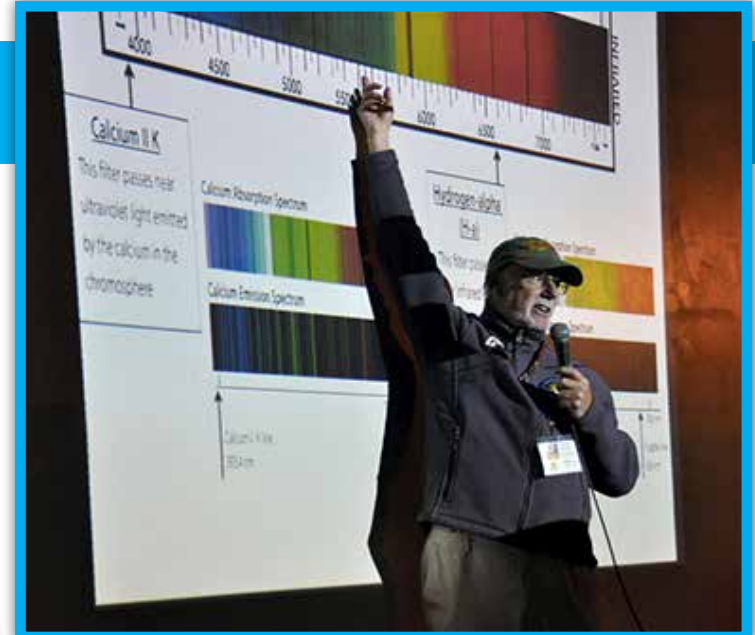


Panorama Retirement Community
Lacey, WA

2017 Total Solar Eclipse
▼ Madras, OR



Philadelphia Science Festival
Philadelphia, PA
9 days



▲ "What's New on the Sun?"
Rocky Mountain Star Stare, Gardner, CO



Timmy Telescope Solar Astronomy Outreach ~ 2017

Special thanks to:

Stephen Ramsden, director of the Charlie Bates Solar Astronomy Project, for all his help and support over the past five years. We could not have done it without him.



This is a volunteer effort and people often ask, "Why do you do this?"

The Answer: When someone looks through the scopes and says, "WOW," that's our payback.

We hope we have created that SPARK necessary to motivate students to become more involved in Science. At the same time, it is our goal to have our "Visitors" develop a better understanding and appreciation of Space and Solar Sciences.



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