

# Charlie Bates Solar Astronomy Project

[www.solarastronomy.org](http://www.solarastronomy.org)



**Sharing the benefits of science based reasoning and education worldwide while expanding the market for astronomical products by including underserved cultures and non-traditional demographics.**

***"One of these kids will be the first to set foot on Mars, it's worth any sacrifice to help make that happen."***

**Stephen W. Ramsden**  
**CBSAP**

The **Charlie Bates Solar Astronomy Project** is a nonprofit 501(c)(3) (public charity 170 (b) (1) (A) (vi)) founded and registered October 20<sup>th</sup>, 2008 in Atlanta, GA by Stephen W. Ramsden who has served as Director since it's inception. CBSAP is named in memoriam to a fellow veteran and victim of suicide.

**Nonprofit Tax ID (EIN)**     27-0261397

#### **CBSAP Mission:**

- Take state of the art observational, imaging, and spectroscopic equipment directly to primary and secondary educational facilities around the world in order to increase awareness of our nearest star and its influence on space travel, climate change, terrestrial technologies, and aviation safety.
- Recognize each individual student as important to our species' future and encourage them to exceed societal expectations placed on them by religious, political, cultural, financial, or geographical restraints.
- Increase awareness of the hobby and profession of Astronomy worldwide, in order to direct our species' future towards interplanetary and interstellar space exploration.
- Showcase and provide hands on demonstrations of the best in modern astronomical equipment to audiences outside of the traditional "astronomy show" market, in hopes of greatly expanding the demographic of customers/enthusiasts.
- Encourage the free sharing of the vast wealth of knowledge currently existing in the Western astronomical hobbyist community.

#### **Board of Directors:**

Stephen W. Ramsden  
Jeremy Cummo  
Brian Paysinger

Director  
Treasurer  
Secretary

Natalie F. Anderson  
Attorney at Law, LLC

Registered Agent

Floyd Green Financial Services

Certified Accountant

**735 Ponce De Leon Place NE**  
**Atlanta, GA 30306**  
**404-543-7616**





## INTERNET PRESENCE:

CBSAP runs several internet forums and social media pages in order to help facilitate coordination between our 23 country affiliates. We invite anyone and everyone to come and participate in solar astronomy outreach through our program. Our main pages are as follows:

[www.solarastronomy.org](http://www.solarastronomy.org)

Donate  
paypal address  
info@charliebates.org

VISIT THE AUSTRALIAN CHAPTER HERE!  
Flag of Australia

Timmy Telescope  
Solar Astronomy Outreach

ARGENTINA  
AUSTRALIA  
BOSNIA  
BRAZIL  
BULGARIA  
CANADA  
COLUMBIA  
COSTA RICA  
CROATIA  
DOMINICAN REPUBLIC  
GUATEMALA  
KOSOVO  
MEXICO  
NETHERLANDS  
NICARAGUA  
PAKISTAN  
PANAMA  
PORTUGAL  
SERBIA  
TUNISIA  
UNITED KINGDOM  
UNITED STATES

Find us on Facebook  
Google+  
Instagram

CLICK HERE TO ENTER the SolarChat! forum  
RECORD YOUR CBSAP OUTREACH EVENT BY CLICKING HERE!!  
CBSAP Outreach Program

the original SPOD solar picture of the day!

Steve Dabson  
Image last updated Friday, November 25, 2016 3:56 PM

Record a CBSAP Outreach event

Great American Eclipse

Saturday, November 26, 2016 at 5:57  
CORONADO CELESTRON  
AR2492 in multiple wave...

Donate  
RAINBOW SYMPHONY  
WORLD'S BEST SOLAR ECLIPSE SHADES!  
click to order yours!

ESPRIT APO TRIPLETS  
Sky-Watcher USA  
Be amazed.

POINT GREY

Support The Charlie Bates Solar Astronomy Project.  
When you shop at smile.amazon.com, Amazon donates. Go to smile.amazon.com  
amazon smile

[www.solarastronomy.org](http://www.solarastronomy.org) serves as the main landing page for all CBSAP needs. From this address, members can see our trademarked SPOD (Solar Picture Of the Day), access all of our other forums and sites, and review images and movies from over 350 recent STEM events. Students and Faculty from all over the world may also access their own customized galleries of images and movies taken by students at their institutions. Each country affiliate has a link on this page as well, and you can see the latest solar information from NASA SOHO and NOAA. This site receives 150,000-200,000 hits per month.



[Quick links](#) [FAQ](#) [Register](#) [Login](#)

[SolarChat! Forum Index](#) < [SolarChat!](#) < [This is SolarChat !!](#)

This is SolarChat !!

[New Topic](#)

18260 topics 1 2 3 4 5 ... 61 >

TOPICS	REPLIES	VIEWS	LAST POST
Cloudy - process shots from last week by Ben Cartwright SASIS » Sat Nov 26, 2016 8:00 pm	1	11	by fllelah  Sat Nov 26, 2016 10:04 pm
Todays Sun 24NOV2016 with DS Lunt 80 JSM by Albugshutterbug » Thu Nov 24, 2016 11:21 pm	9	87	by fllelah  Sat Nov 26, 2016 10:02 pm
Solar Astrophotography   Pedro Re (2016) by pedro » Sat Nov 26, 2016 10:01 pm	0	18	by pedro  Sat Nov 26, 2016 10:01 pm
Old Ha solar images taken between Aug et November with the C8 by christian viladrich » Thu Nov 10, 2016 1:41 pm	9	147	by oriolestation  Sat Nov 26, 2016 6:38 pm
Lift-off prom from Sicily (November 13, 2016) by turl lo vecchio » Sun Nov 13, 2016 8:35 pm	8	105	by oriolestation  Sat Nov 26, 2016 6:34 pm
E limb of Sun by JohnW » Thu Nov 24, 2016 6:10 am	9	123	by Mapleridge  Sat Nov 26, 2016 6:32 pm
Sol from the 23rd of November 2016. by eroel » Thu Nov 24, 2016 3:12 pm	5	63	by Mapleridge  Sat Nov 26, 2016 6:32 pm
November 22nd in Ha by Mapleridge » Wed Nov 23, 2016 3:47 am	13	174	by Mapleridge  Sat Nov 26, 2016 6:29 pm
Friday and a little Ha and End of the Day by Derek Klepp » Fri Nov 25, 2016 10:00 am	5	44	by Mapleridge  Sat Nov 26, 2016 6:28 pm
Sunspot 25NOV2016 Lunt 80 DS JSM by Albugshutterbug » Sat Nov 26, 2016 6:28 pm	0	8	by Albugshutterbug  Sat Nov 26, 2016 6:28 pm
Thursday Sunrise by Derek Klepp » Wed Nov 23, 2016 8:24 pm	7	65	by Mapleridge  Sat Nov 26, 2016 6:27 pm
The Sun 26 November 2016 white light by Bizibilder » Sat Nov 26, 2016 11:33 am	2	26	by yltansg  Sat Nov 26, 2016 3:00 pm
Quick session 26/11/16 low sun by DJD » Sat Nov 26, 2016 11:30 am	3	34	by yltansg  Sat Nov 26, 2016 2:58 pm
One more shot from 21NOV2016 JSM by Albugshutterbug » Tue Nov 22, 2016 7:39 pm	9	72	by Carbon60  Fri Nov 25, 2016 8:07 pm
AR2612 on the 23rd WL by robert » Thu Nov 24, 2016 3:40 pm	5	69	by yltansg  Fri Nov 25, 2016 1:04 pm
23rd November disk with new spot by robert » Wed Nov 23, 2016 2:48 pm	4	65	by marktownley  Thu Nov 24, 2016 7:03 am
Sunday Ha with a Magpie by Derek Klepp » Sun Nov 20, 2016 9:53 am	9	130	by edobosz  Wed Nov 23, 2016 7:57 pm
Saturday Sun -19th November by marktownley » Sun Nov 20, 2016 8:14 pm	12	112	by edobosz  Wed Nov 23, 2016 7:52 pm
Beautiful Sun today (19th Nov) by Montana » Sat Nov 19, 2016 1:14 pm	15	220	by Albugshutterbug  Wed Nov 23, 2016 3:22 pm
Todays Sun 21NOV2016 JSM			by Albugshutterbug

Solarchat! is the largest solar astronomy user forum on the internet, with just under 2500 members and 190,000 posts, in over 20,000 topics, covering anything from solar scope modifications to magnetometry, spectroscopy, solar imaging, and sketching. Solarchat! is usable in over 95 languages.

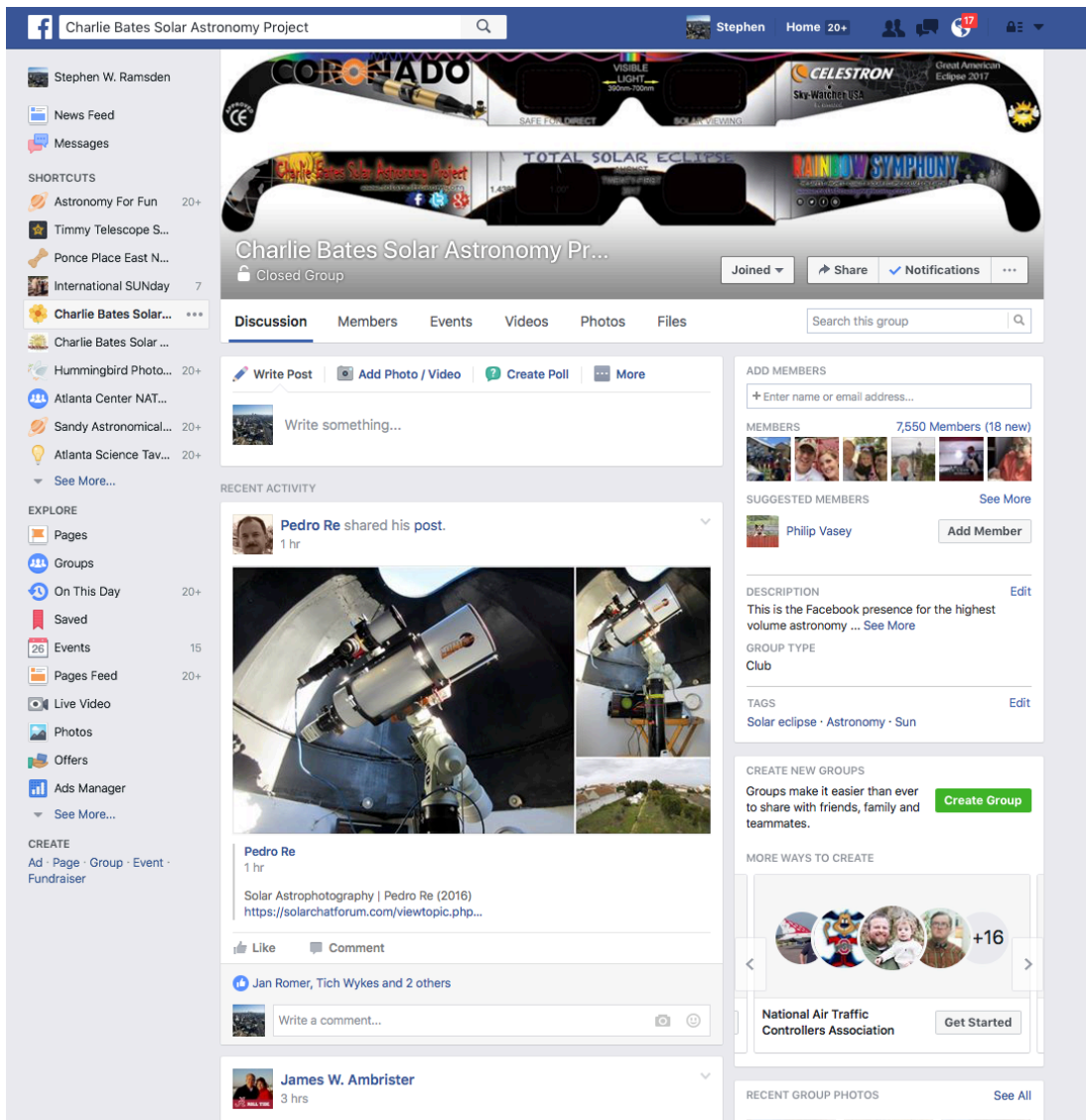
Solarchat! users are vetted by Stephen Ramsden personally, and our only rule is maintain safe posts and leave egos at the other forums. Its sole purpose is to be an inviting environment where both new users and expert level imagers can come and shorten the learning curve dramatically, by consulting with the world's greatest solar imagers in a friendly environment where everyone is equal.

We do not have the many problems such as dealer complaints, unsafe posts, personal attacks, or copyright infringement that are found in other forums. Every single post is reviewed by Stephen Ramsden, keeping the forum at the highest level of integrity possible. We don't allow any discussion of religion or politics. We promote the safe use of solar viewing equipment in all cases, in hopes of promoting more STEM outreach around the world.





## Charlie Bates Solar Astronomy Project Facebook Group:




The CBSAP Facebook group broke new ground in 2008 as the only astronomy outreach presence on Facebook. Since then, hundreds of other groups have discovered the enormous reach and vast audience of modern Social Media. The CBSAP group is closely regulated with tight constraints placed on content, to avoid the many pitfalls brands have faced on Facebook in other groups and pages. Moderators have closely monitored activity on our group page since day one, making sure that posters stay on topic and that only valid solar astronomy enthusiasts and outreach providers are approved.

We currently have just under 8000 members in our Facebook group. Each member has been verified as both interested in our program and active in forwarding our goals. We at CBSAP have always preferred quality over quantity, so we do not have the tens of thousands of anonymous users with the ads, inappropriate material, or spoofing of accounts that accompany them. Every day someone from around the world posts new and informative pictures or reports how our program is being implemented in their community. We have found that this Facebook group is the most powerful social media tool we have at our disposal, and we promote our sponsors heavily through it. We conduct our once-per-year fundraiser through this portal.

## Charlie Bates Solar Astronomy Project Facebook Fan Page:

Recently, after adding new corporate sponsors, we saw the need to have a totally open Facebook page in order to better interweave our social media activities with those of our sponsors' pages. The CBSAP Facebook page was published in 2016. We have just under 1000 likes so far. Posts from our other social media pages are duplicated to this Facebook page and link to our sponsors as needed.

Charlie Bates Solar Astronomy Project Page



Charlie Bates Solar Astronomy Project Page

@charliebatessolarastronomyprojectpage

Home

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Manage Tabs

Promote

Charlie Bates Solar Astronomy Project Page

Like

Message


More

Donate

Status

Photo / Video

Offer, Event +



Write something...

This Week

See All

685↓


Post Reach

0

Website Clicks

0

Donate




Number of people you can reach within 1 mile of your business:

160,000 people

Promote Local Business

Posts

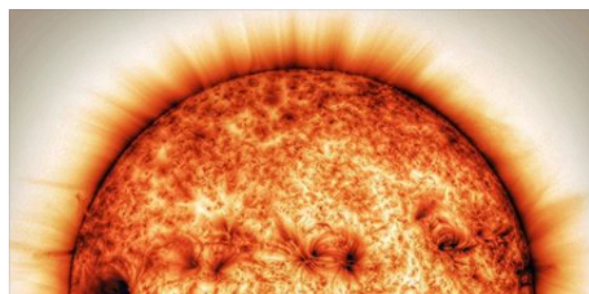
See All



Charlie Bates Solar Astronomy Project Page

November 18 at 7:35am · 🌐

Todays Sun taken by SDO with the AIA 171 (600,000K)



Non-Profit Organization · Local Service in Atlanta, Georgia

5.0 ★★★★★ Always Open

Page Tips

See All

Write a Post to Connect With Your Page Visitors

Post an update, photo or video. Posting on your Page gives your visitors a chance to like, share and comment on it.

See All Page Tips

Search for posts on this Page

42% response rate, 2-days response time

Respond faster to turn on the badge

885 likes +5 this week

Lela Elaine Wiedeman and 480 other friends

685 post reach this week

See Pages Feed


Posts from Pages you've liked as your Page

Invite friends to like this Page

This is the Facebook presence for the highest volume astronomy outreach program in the world; The Charlie Bates Solar Astronomy Project a 501c3 nonprofit

885 Likes

Lela Elaine Wiedeman and 480 other friends like this




## Charlie Bates Solar Astronomy Project Google+ Group:

Our outreach program was the first to have a presence on Google+. We have approximately 300 members who share posts about outreach, imaging, and sketching to our vetted audience. These posts are shared daily by our users. Unfortunately, the Google+ platform has suffered dwindling usage. Nonetheless, we have found it to be a more efficient and welcoming environment than Facebook, so we continue to use it to its fullest.

Google+

Communities

Search



296 members - Public

## Charlie Bates Solar Astronomy Project

Solar Astronomy Outreach and Imaging

MODERATE

Search Community

Share something...


Caio Crespo Moraes

Discussion

6w

<http://solarcalc.blogspot.com.br/2016/10/16-de-outubro-de-2016.html>

16 de outubro de 2016



solarcalc.blogspot.com.br

Caio Crespo Moraes

+1

3

Stephen W. Ramsden

Owner Discussion

6w

There are now just two weeks left to participate in the Charlie Bates Solar Astronomy Project 2016 Fundraiser. This finances 1/2 of the programs continued existence through 2017. CBSAP is named in memoriam to fellow veteran and air traffic controller Charlie Bates who ended his own life almost a decade ago. Charlie was not an astronomer. he was the most generous person I knew and helped everyone with any problem any way he could. There are countless people out there that owe their existence to Charlie, including me. ...


Stephen W. Ramsden

Owner Discussion

Thank you Nicole Renee Boquette for your generous CBSAP fundraiser!

[www.solarastronomy.org](http://www.solarastronomy.org)

where the Sun always shines!



Millions of Americans will see the sight of a lifetime on August 21, 2017, as a rare total solar eclipse sweeps the nation from Oregon to South Carolina. In just a few minutes and the sky's most beautiful spectacle, the sun's corona, reveals itself in grandeur.

+1

Stephen W. Ramsden

Owner Discussion

Well, it's still overcast here in Atlanta so looks like I'll miss the broadcast this morning either. It's a dynamic world. Stay tuned...

+1

Stephen Rahn

Discussion

Here is an inverted image of the Sun I took on Sunday. I'm still really new to solar imaging, but I'm working on it.

Lunt 50mm Hydrogen-Alpha Scope  
ASI 120 CCD  
Processed with Registax and Photoshop

Taken in Macon, Georgia.

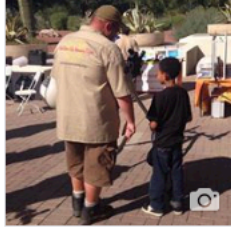


## International SUNday Facebook page

Our trademarked, and often copied, International SUNday is a once-per-year global event celebrating the Summer Solstice. This event is the largest, totally free, astronomy event on Earth, with thousands of people participating in hundreds of events on four continents. We continually promote this introductory day to Solar Astronomy STEM via our Facebook page. We have 1400+ page likes on the International SUNday Facebook page.

f International SUNDAY 🔍

Page
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Publishing Tools
Settings
Help ▾



**International SUNDAY**

@INTLSUNDAY

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Notes

Manage Tabs

Promote ▾

JUNE 18TH, 2017

Donate 📌

Status
 Photo / Video
 Offer, Event +

**This Week** See All

146 ↑ Post Reach	0 Website Clicks	0 Donate
---------------------	---------------------	-------------

**Get More Clicks for \$5**

Promote your Donate button to more people.

Promote Donate

**Photos** See All



**We Need Your Support**

\$35,000

Our Goal

\$31,515

Raised so far

Edit Cancel

Fundraising

**Non-Profit Organization**

---

**Page Tips** See All

**Add Page Roles**

Give someone an admin role on this Page so you'll have help managing it.

✕

See All Page Tips

---

🔍 Search for posts on this Page

---

**75% response rate, 1-day response time**

Respond faster to turn on the badge ▾

---

**1,400 likes +6 this week**

Rob Black and 461 other friends

---

**146 post reach this week**

---

**See Pages Feed**

Posts from Pages you've liked as your Page

---

**Invite friends to like this Page**

---

International SUNDAY is a once per year global solar astronomy outreach event put on by the Charlie Bates Solar Astronomy Project

---

**1,400 Likes**

Rob Black and 461 other friends like this

## CBSAP on Instagram

We have a fan page on Instagram that allows users to connect with the Director of the program, allowing a “behind the scenes” view to many of our followers. Instagram provides a method for promoting slices of a person’s daily life, without the comments and replies that can be problematic on other portals. We have just under 700 followers on this page.



Instagram

Search



stephenwramsdn

Edit Profile

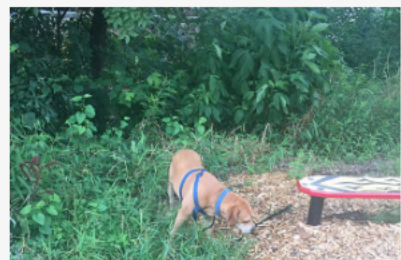
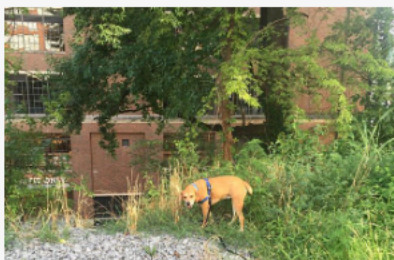
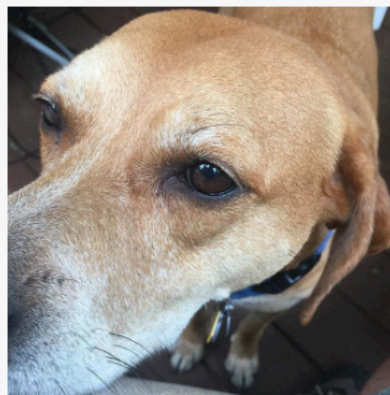
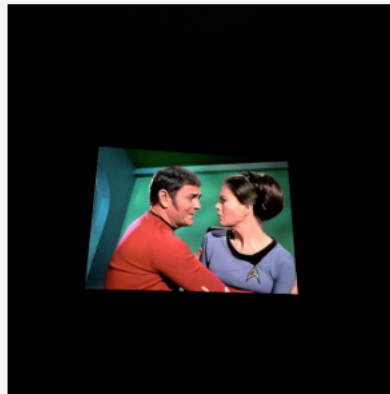
...

19 posts

684 followers

123 following

Stephen W Ramsden Director/Founder Charlie Bates Solar Astronomy Project  
[www.solarastronomy.org](http://www.solarastronomy.org)





## CBSAP Twitter page

Home

Moments

Notifications

Messages

Search Twitter

Tweet

sharing the science of the Sun one student at a time  
for a better future

Charlie Bates Solar Astronomy Project

www.solarastronomy.org



TWEETS

FOLLOWING

FOLLOWERS

LIKES

MOMENTS

11.8K

327

615

48

0

Edit profile

Stephen W. Ramsden

@sramsdn

Director of The Charlie Bates Solar Astronomy Project, the worlds largest astronomy outreach program

Atlanta, Georgia

solarastronomy.org

Joined February 2009

2,438 Photos and videos



Tweets

Tweets & replies

Media



Stephen W. Ramsden

@sramsdn · 2h

Massive slow cooker full of Uncle Spikes Afterburner Chili heading into it's 3rd hour. The house smells like Fall, and great!



Stephen W. Ramsden

@sramsdn · 8h

Ahh, the holiday season is here at the Ramsden Ranch. Natalie is paralyzed because while she was joining me up... [fb.me/6UZ1whnrj](https://fb.me/6UZ1whnrj)



Stephen W. Ramsden

@sramsdn · Nov 25

Christmas tree with Venus as its Topper!



Stephen W. Ramsden

@sramsdn · Nov 25

Welcome to A"me"rica. Black Friday is on.



Stephen W. Ramsden

@sramsdn · Nov 25

36 years ago in reality... 8 years on Facebook



Stephen W. Ramsden

@sramsdn · Nov 23

Heir to he Ramsden throne



Stephen W. Ramsden

@sramsdn · Nov 23

Every Best Buy is still completely out of stock of the much ballyhooed Nintendo Classic system and has no idea... [fb.me/ZUhpXjJ1](https://fb.me/ZUhpXjJ1)



Stephen W. Ramsden

@sramsdn · Nov 23

Waiting here at the airport to pick up my niece Michelle I was just wondering about Thanksgiving travel.

This is... [fb.me/1ybENPNou](https://fb.me/1ybENPNou)

Your Tweet activity

Your Tweets earned 2,022 impressions over the last week



View your top Tweets

Who to follow · Refresh · View all

dotVOTE (.VOTE)

@dot...

Follow

Promoted

Twitter

@twitter

Follow

Hootsuite

@hootsuite

Follow

Find friends

Trends · Change

Small Business Saturday

Get up, get out, and #ShopSmall today!

Promoted by Shop Small

#MICHvsOSU

Ohio State beats rival Michigan in double OT

#UGAvsGT

@TellerTeacher and @GovernorDeal are Tweeting about this

Ohio State

275K Tweets

Ron Glass

Emmy-nominated actor Ron Glass is dead at 71

#thickashellchallenge

48.9K Tweets

Bama

46.7K Tweets

#InATrollsDowntime

3,435 Tweets

#OSUvsMichigan


@SpaceLauren is Tweeting about this

Our CBSAP Twitter page is linked to all other accounts. The Twitter page is used to heavily promote CBSAP events and sponsors. We currently have about 12,000 tweets being followed by just under 650 solar astronomy enthusiasts, with our number of followers growing weekly.



[www.charliebates.org](http://www.charliebates.org)

We maintain this website for educators and administrators to access both our insurance and federal, state, and local licenses. We also publish all of our financial documents and tax returns on this website, to maintain complete transparency with our donors and sponsors. The website also has links to elementary and middle school lesson plans, curriculum for Georgia educators, and school event request forms. We receive about 1000 hits per week, from all over the world, on this page.



159,736 Visits  
4 Recent Hits

mbai, Maharashtra  
umbavoor, Kerala

revolvermaps

WORLDWIDE SOLAR ASTRONOMY OUTREACH PROGRAM  
now with high resolution spectroscopy!


[Donate](#)

(tax deductible in the United States)

Follow @sramsdn

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- NON-SCHOOL EVENT REQUEST
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- Press Releases
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- Board of Directors
- Financials/Insurance
- International Efforts
- Jon Wood Award
- What is H-alpha?
- What is Calcium K?
- What is WhiteLight?
- Solar Spectroscopy?
- Atomic Spectra
- The Sun Now
- Solar Eclipse
- Email Me

2/7 H-Alpha , CaK and White Light Solar movie July 29th 2014



Atlanta HD Bird Feeder Cam Live Stream  
LIVE NOW

0:00 / 0:14

Our program takes observatory quality telescopes and cameras to regional schools in order to teach our youth about the Sun and its many interesting features. We started in 2008 and see roughly 80,000 people annually at over 70 events per year. This program is a nonprofit 501(c)(3) and survives solely on public and private support. Please feel free to use my resources in any way you see fit for education, ask questions about solar observing, or contact me to set up a free visit. If at some point you would like to contribute to the cause, I would be very grateful.

Paypal your donation to [info@charliebates.org](mailto:info@charliebates.org) (or send your pledge via email) or click the donate link.

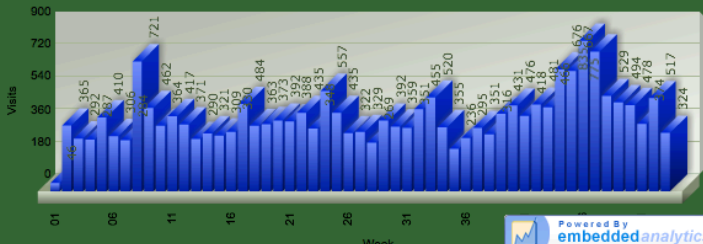
Last Updated Friday, July 01, 2016 11:11:34 AM

TO SEE YOUR SCHOOL OR EVENT PHOTOS AND MOVIES CLICK HERE! FOR OUR MAIN WEBSITE WWW.SOLARASTRONOMY.ORG

TO BOOK A SCHOOL EVENT SEE THE LEFT SIDE MENU  
NO PRIVATE EVENTS PLEASE, JUST SCHOOLS

[www.solarastronomy.org](http://www.solarastronomy.org)

Weekly Site Traffic



Week	Visits
01	45
02	365
03	297
04	337
05	410
06	306
07	721
08	364
09	462
10	371
11	721
12	290
13	311
14	309
15	380
16	484
17	373
18	392
19	388
20	443
21	557
22	435
23	322
24	325
25	329
26	69
27	192
28	139
29	151
30	455
31	520
32	355
33	736
34	295
35	416
36	431
37	316
38	476
39	481
40	451
41	636
42	775
43	629
44	494
45	478
46	517
47	324

Powered By  
embeddedanalytics

## CBSAP Remote Live Internet STEM Program

**Charlie Bates Solar Astronomy Project**  
www.solarastronomy.org

**RAINBOW SYMPHONY**  
THE SAFEST, HIGHEST QUALITY SOLAR ECLIPSE GLASSES ON EARTH!!

**CORONADO**

**YouTube** **Google+** **skype**

WORLDWIDE SOLAR ASTRONOMY OUTREACH PROGRAM  
now with high resolution spectroscopy!

**Bring the fascination of our Nearest Star-The Sun  
into your classroom with interactive lectures  
from professional solar astronomers  
completely free of charge!**

2/7 H-Alpha , CaK and White Light Solar movie July 29th 2014

The Charlie Bates Solar Astronomy Project is pleased to provide in classroom, interactive lectures via the internet to any interested school anywhere on Earth. This program is sponsored by Lunt Solar Systems and Rainbow Symphony. There is no charge for this service.


**Here are the requirements:**  
1) Your school must be equipped and able to allow two way internet via Skype, Google+ or YouTube. We strongly

In 2012, we began doing live STEM lectures. These lectures include live viewing of the Sun, broadcast remotely to anyone on Earth with an internet connection. We have affiliates in 12 time zones, who can provide live solar telescope broadcasts, paired with our Director's interactive classroom visits from his home in Atlanta. This program is still in its infancy, but it is a remarkable way to expand the reach of our efforts as well as our sponsor's marketing. We routinely do public Google+ broadcasts of the Sun from Atlanta. Our Director's headquarters in Atlanta is equipped with studio equipment and fiber speed internet, running at 10 Gigabits per second, to accommodate many simultaneous users.



## CBSAP YouTube channel


Our YouTube channel is very busy with just under 375,000 views of over 2000 videos concerning STEM, equipment reviews, solar imaging tutorials, outreach events, and many other science related topics. CBSAP pioneered the use of YouTube in astronomy outreach, starting our YouTube channel in 2008. The CBSAP YouTube channel has successfully shared the science of the Sun for eight years running.



Search

13



454 subscribers374,690 viewsVideo Manager



<http://www.charliebates.org>

Stephen W. Ramsden

View as: Yourself

  454

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For returning subscribers

For new visitors


What to watch next




**Anderson T Day Nov 24th 2016**  
by Stephen W. Ramsden 4 views · 2 days ago



**IBM Tower by drone Nov 21st 2016**  
by Stephen W. Ramsden 14 views · 5 days ago




**white breasted nuthatch at the feeder**  
by Stephen W. Ramsden 5 views · 5 days ago




**SPEARlife Atlanta Mural 2016**  
by Stephen W. Ramsden 105 views · 1 week ago


Recent activities



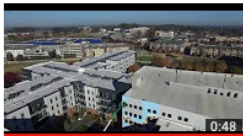
**Anderson T Day Nov 24th 2016**  
Stephen W. Ramsden 4 views · 2 days ago



**IBM Tower by drone Nov 21st 2016**  
Stephen W. Ramsden 14 views · 5 days ago







**white breasted nuthatch at the feeder**  
Stephen W. Ramsden 5 views · 5 days ago





**SPEARlife Atlanta Mural 2016**  
Stephen W. Ramsden 105 views · 1 week ago

Time Lapse Videos



Channel tips

 Improving Content ID


 Filming on your phone

View all »


None

+ Add channels


Popular channels




**Dr. Sandra Lee (aka...**  
Subscribe




**CrazyRussianHacker**  
Subscribe




**The Game Theorists**  
Subscribe



**SciShow**  
Subscribe



**CrashCourse**  
Subscribed



**Kurzgesagt – In a ...**  
Subscribe



## CBSAP Public Appearances

Stephen W. Ramsden, Director of CBSAP, has appeared and headlined at hundreds of public events, from the IMAA in Brazil, to the Astrophotographer of the Year Awards in London, to the American National Physics Teachers Conference. Over the years, we have found that the most effective of these public events have been Dragon\*Con in Atlanta (75,000+ visitors yearly), and the Northeast Astronomy Forum (3000+ visitors yearly). We have streamlined our public appearances to best use our limited resources to their fullest, and to remain focused on our student-centric mission. We continue to only do these two public events, with an infrequent exception when needed. We focus our very limited funding on students and newcomers to astronomy.

Stephen's latest NEAF lecture can be watched at this link:

<https://www.youtube.com/watch?v=7ZTmguQUZk8&t=22s>



Dragon\*Con 2016



NEAF 2014

## Global Outreach Numbers at 2016 STEM events:

In 2016, we changed reporting systems from the NASA Night Sky Network to an in-house private reporting system. The new system is much easier to fill out and accepts foreign locations for events. We have had a bit of a problem convincing people to report what they are doing with the materials sent to them from our program. We estimate that approximately 1/3 to 1/2 of events are actually reported, with various reasons for non-reporting. We are constantly striving to get CBSAP Chapters and volunteers to report their events, but so far, it has been an uphill battle.

These are the totals for 2016 from our internal event reporting system:

### 474 reported events

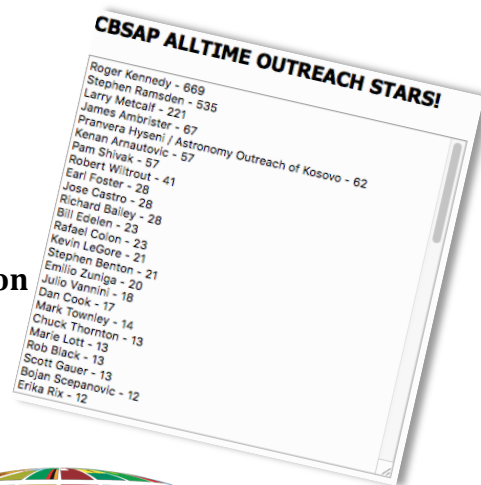
(estimated 700 events performed)

### 142,627 students logged in our system receiving hands on instruction

(estimated 300,000 actual students)

Breakdown by country receiving materials

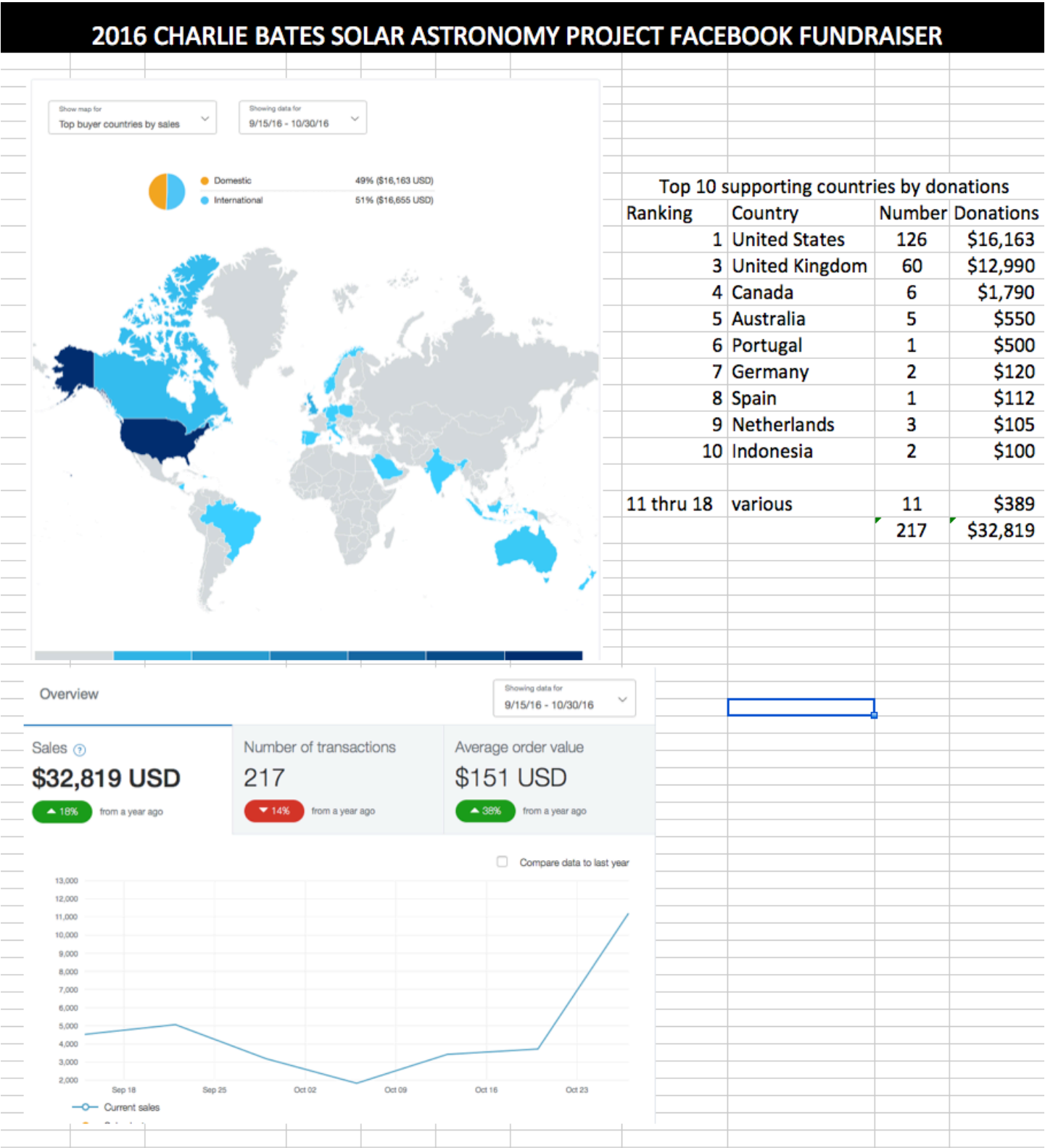
Country	Events	Students
UNITED STATES	313	90802
BOSNIA	29	17727
NICARAGUA	28	2797
KOSOVO	26	5328
BRAZIL	23	4840
COLUMBIA	20	7020
UNITED KINGDOM	16	4560
CANADA	10	2545
DOMINICAN REPUBLIC	10	3705
AUSTRALIA	7	750
TUNISIA	6	1950
CROATIA	2	350
PAKISTAN	2	200
BELGIUM	1	3
SERBIA	1	50
ARGENTINA	0	0
BULGARIA	0	0
COSTA RICA	0	0
GUATEMALA	0	0
MEXICO	0	0
NETHERLANDS	0	0
PANAMA	0	0
PORTUGAL	0	0



*Our total since 2008 of logged events is 2211 events in 23 countries, with 659,343 students receiving hands on instruction and materials concerning solar astronomy. With the difficulty in getting people to log their events, either with NASA Night Network or CBSAP's in-house system, we estimate that this is approximately 40% of actual numbers.*

PRIVATE DONATIONS

We did not reach our goal in this year’s six-week fundraiser, for the first time in 3 years, but we did pretty good. This is the only solicitation for donations that we do yearly.





## INCOME AND EXPENSES

### Astronomy Equipment Assets

Jan 2016	\$81,297
Dec 2016	\$36,516

**Donated to various groups in 2016**      **\$44,781**

### Cash Flow 2016

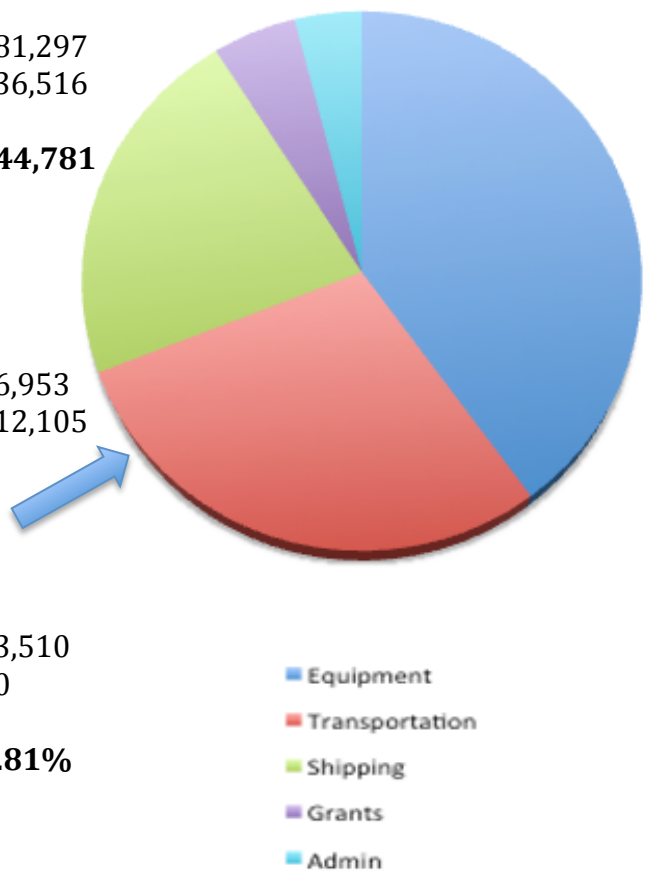
Jan 2016	cash on hand	\$6,953
Dec 2016	cash on hand	\$12,105

**Cash Donations 2016**      **\$97,214**  
**Program Expenses 2016**      **\$92,062**

Administrative costs	2016	\$3,510
Salaries	2016	\$0

**2016 Administrative Costs**      **3.81%**

### EXPENSES



## CURRENT SPONSORS

- Approximately 300 private Facebook supporters of science
- Rainbow Symphony
- Meade Instruments
- Celestron
- Point Grey Research
- NATCA Charitable Foundation
- The Main Street Foundation
- Skywatcher USA
- Flint River Astronomy Club





## BRAD ZICKEFOOSE

“Hey Mr. Zickefoose!” is a common saying over at Louise Radloff Middle School in Gwinnett County, Georgia. Brad is a young teacher in his first decade of teaching, bringing science and music to young minds in this “Title I” school of predominantly poor, hardworking immigrants’ children.

CBSAP met Brad a few years ago and was invited to do our free program for his students. When we arrived, it was clear that we were dealing with a special sort of person. Brad is the kind of teacher that everyone remembers fondly from childhood as the mentor who was the spark for their success in school and life. We knew this was a guy we wanted involved in our program.

This year, thanks to our great sponsors, we were able to fully outfit Brad’s classes with a state of the art Skywatcher refractor, a Celestron Advanced VX mount, several hundred pairs of Rainbow Symphony Eclipse Glasses, a Point Grey Imaging system with a 24 inch iMac and ASTRO IIDC software, and Meade accessories and eyepieces, so Brad could actually teach his kids hands-on observational astronomy. This is accomplished in a self-paced environment where the students can really understand the mechanics involved in setting up the gear and viewing celestial objects.

Our gift to Brad’s students allows them to get hands-on experience and brand recognition at an early age. When they become income earners and successful members of society, they will go out and purchase these things for themselves and their kids. Everyone wins, especially our society.

[Click here for a video of a solar event at Radloff Middle School](#)





## CBSAP SUCCESS STORIES 2016

### ROGER AND LINDA KENNEDY

The Kennedys are the most prolific outreach providers on the face of the Earth, hands down, no contest. CBSAP met Roger and Linda over Facebook and immediately knew that they really “got it.” We wanted them to be a part of our program. The Kennedys are based in Albuquerque, New Mexico.

Roger and Linda have long careers in education, classical music performance, nuclear research, and the military. After raising their family and reaching retirement age, they knew that it was their duty to spread the opportunities for success that they had been given. The Kennedy’s efforts with young people make the world a better, and more science oriented, place. We can’t praise these folks enough, and our respect for them and their efforts is boundless.

Roger and Linda have set up their CBSAP-provided solar astronomy equipment almost 300 times per year, for the last several years, at schools, museums, community events, Native American reservations, commercial astronomy conferences, city science festivals, and basically anywhere that would have them. They create endless opportunities to teach about the awesome nature of nuclear fusion and its life-giving properties.

Roger and Linda have their own program called “Timmy Telescope” ([timmytelescope.com](http://timmytelescope.com)) and are responsible for the little green dude pointing the way at their events. You have probably seen “Timmy” shared on countless group pages and copied by other programs.

CBSAP provides, through our great sponsors, mounts, glasses, solar scopes, night scopes, spectrographs, diffraction gratings, and anything else needed for the project. The Kennedys represent the epitome of our mission and our program.





## CBSAP SUCCESS STORIES 2016

### PRANVERA HYSENI

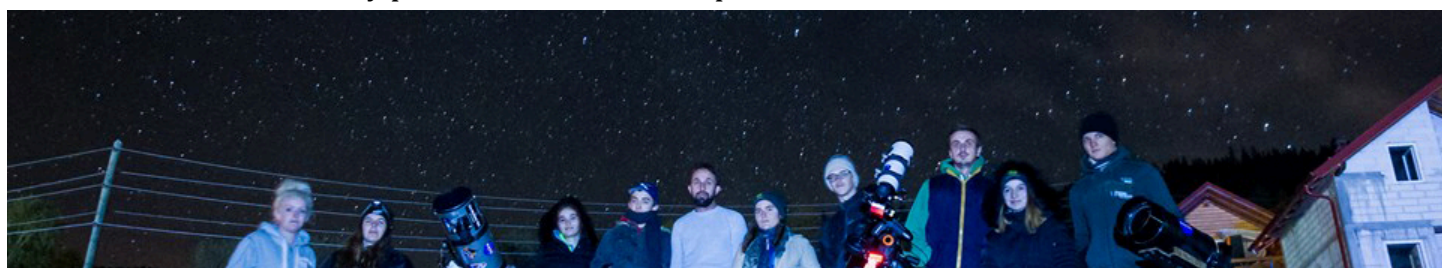


Kosovo is a new and only partially recognized country carved out of the Serbian conflict of the late 1990's. The adult population and most of the infrastructure were decimated during this decade long war. Kosovo now has the youngest population in Europe, with over 70% of its citizens under the age of 30. The rebuilding efforts in Kosovo have been monumental, and the people's spirit of hope is second to none.

Education brings opportunity, especially in a place like Kosovo, which is experiencing high unemployment during its growing pains. Pranvera Hyseni is a young Kosovar university student who is focused on one thing in her life: the stars and how to get to there. We met Pranvera through Facebook and were immediately taken by her enthusiasm and non-stop work ethic in spreading astronomy among her peers and fellow students.

Pranvera's group of astronomy STEM providers, Astronomy Outreach of Kosovo (AOK), consists of both students and teachers. AOK has overcome enormous obstacles to create the most recognized and largest outreach group in Eastern Europe. We were amazed when our Director met Pranvera and discovered that she led the majority of AOK's events without a car!

CBSAP has supported AOK from their start, supplying multiple telescopes, mounts, solar glasses, instruction, training, cameras, computers, money, and any other supplies needed to continue their outreach. We are extremely proud that AOK is a Chapter of CBSAP.





## CBSAP SUCCESS STORIES 2016

### LARRY METCALF

Our Director, Stephen Ramsden, met Larry through a mutual friend, the late Tim Nix, who owned the only brick and mortar telescope store within 500 miles of Atlanta. Tim suggested that Larry contact Stephen about solar telescopes and thought the two would hit it off. Well, they did, and the rest is history.

Larry is a retired chemist who knew he wanted to do something to help the next generation in his community. He wanted to share the many opportunities that come with education. His charming personality and scientist-like demeanor made him a hit with the students and teachers alike in his home state of South Carolina and beyond.

Larry has attended numerous conferences representing CBSAP. We have helped him amass a fleet of mounts, telescopes, and imaging equipment that is second to none. Larry visits dozens of schools every year, teaching kids how awesome science is, and how much it can help their future!





## CBSAP SUCCESS STORIES 2016

### KEVIN LEGORE

Anyone in the astronomy industry already knows what an incredible asset Kevin is to the field. Our Director met Kevin at an astronomy convention way back when. The two immediately hit it off over their mutual love of science and music. Kevin started his own program, Focus Astronomy Outreach. He tirelessly shares day and night astronomy all over the West Coast, throughout the year, on top of his full-time job.

When it came time to help Kevin with his enormous program, CBSAP was all too happy to lend a hand. Kevin has handed out thousands of our solar-viewing glasses and is currently using two of our magnificent Coronado 90mm H-Alpha scopes in his program. Kevin and our Director were lucky enough to do a school outreach event together in Pasadena a couple of years ago, and it was wonderful to watch Kevin at work. CBSAP is proud to be a partner in Focus Astronomy Outreach.





## THE FUTURE OF CBSAP

CBSAP will continue as the world's highest integrity and largest volume astronomy outreach program. We are financially sound, have a great team of providers, and there is certainly no reduction in the need of our educational services of late.

In 2017, we will be attending NEAF, The American Physics Teachers Conference, Dragon\*Con, and of course, our hundreds of student outreach events all over the world.

We will be hosting several Great American Eclipse events in the U.S., and our Director, Stephen Ramsden, will be at a middle school in Rabun County, Georgia for the eclipse, as our resources are best spent showing the Sun to people who have never had access to a telescope.

We are extraordinarily grateful to our sponsors for making all of this possible. Without your philanthropy and vision for the future, our program would not exist.



Stephen W. Ramsden  
Founder/Director

