



# Eclipse Activity Report (EAR)

## Nationwide Eclipse Ballooning Project

Issue #5  
9/26/2016

<http://eclipse.montana.edu>

## EAR Issue 5 Summary

This and all previous issues of EAR can be found at:  
<http://eclipse.montana.edu/news/>

### General Updates

**Public Web Page and Video Streaming Host** – Fantastic (and big) news!

**Ground Station Metal Base Plate** – Teams in need?

**Eclipse Ballooning Project T-Shirts** – Who didn't receive shirt at workshop?

**Participant Google Map** – Team information

**In the News**

### Technical Activity

Check project Proboards forum for new discussions and feedback

### Team Activity

LBCC Space Exploration Team

### New FAQs

### Communication

Next Telecom 10/6/2016 at 11AM MDT. We will spend about 20 minutes on updates then open the floor for questions.

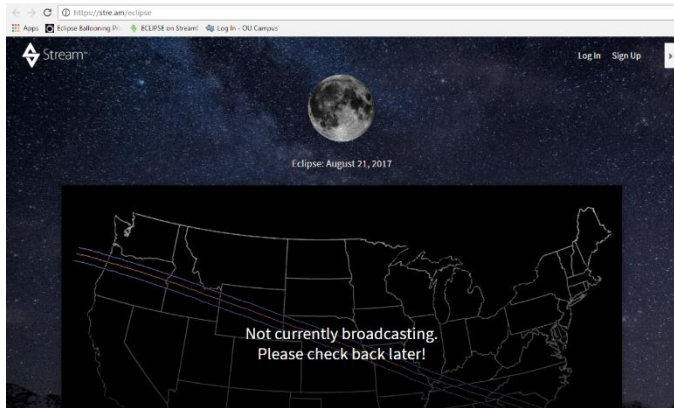
- Call toll free 855-797-9485
- Pass code 921-692-445# then # again

### Action Items

- **Send Shane your team website or blog to be added to the eclipse ballooning page**
- **Next Telecom 10/6/2016 at 11AM MDT!**

# General Updates

## Public Web Page and Video Streaming Host



**Fantastic news!** Via a connection of South Carolina Space Grant director Cass Runyon’s, we have solved our public web page and video streaming host problem! A company called Stre.am will host it all at no cost to the Eclipse Ballooning Project except PR. They are much more capable in several aspects than YouTube live and Facebook live as well. Stre.am will have no problem handling hundreds of millions of hits to the page and video/image streams. They’ve already set up at page at <http://stre.am/eclipse>. South Carolina streamed live there from a tethered balloon during the Charleston Battery soccer game on 9/24. South Carolina will stream live there again on October 4<sup>th</sup> from a balloon they are launching from a Coast Guard ship.

We will be sending instructions as soon as possible for all of the teams to set up their live stream via this service as well as set up your own accounts and individual web players (if you would like). Stre.am has written all the code specific for Raspberry Pi already. It only took a few minutes to get South Carolina set up.

## Ground Station Metal Base Plate

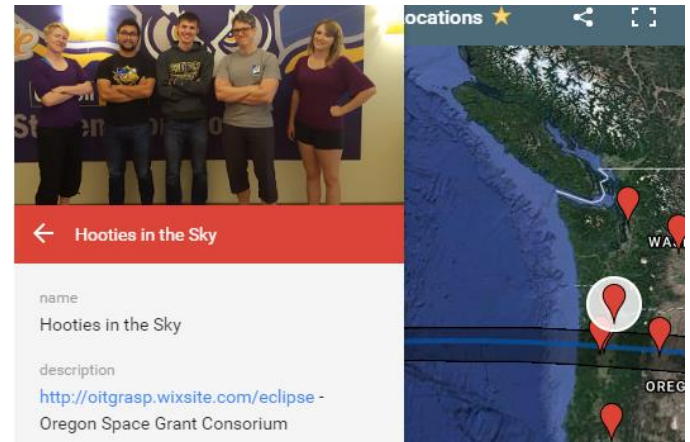
If your team is still in need of a metal ground station base plate, please contact Shane.

## Eclipse Ballooning Project T-Shirts

If anyone from you team attended the workshop and didn’t receive a shirt, please contact Shane and one will be mailed.

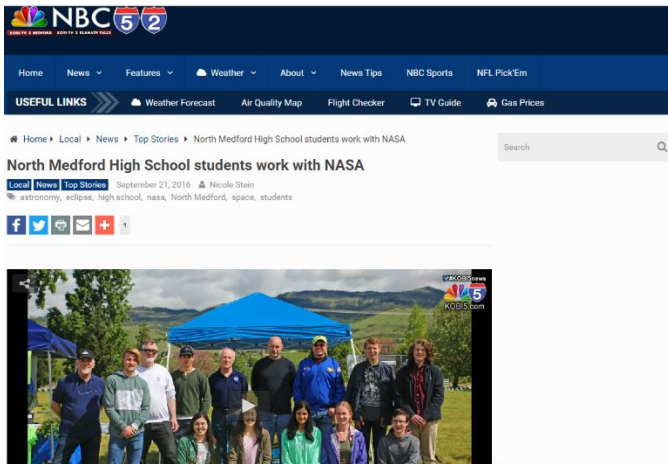
## Participant Google Map

Please continue to send us teams photos, websites, blogs, etc. so we may put them on the map.



## In the News

<https://kobi5.com/news/north-medford-high-school-students-work-with-nasa-36530/>



## Technical Activity

### ProBoards

<http://eclipsedesign.proboards.com/>

Keep posting questions and any feedback you have to current posts.

### GitHub

<https://github.com/MSU-BOREALIS>

Students – get involved in tinkering with the software!

## Team Activity

### LBCC Space Exploration Team



Linn-Benton Community College – “We’re glad to report that our demo of our Eclipse Ballooning Mission video and still image downlinks went well today. We had a table in the college quad at the Welcome Day event for new students. Delphine, Levi, and I talked with many students and signed up quite a few for our Space Exploration Co-Curricular Program. We displayed not only our Eclipse Ballooning gear, but also our RockSat-C payloads from 2015 and 2016, with explanatory posters. We discussed our Team’s plans for post-eclipse projects, including our CubeSat project.”



## New FAQs

See answers at <http://eclipse.montana.edu/faq/>

- Do I need to contact Montana Space Grant if I am going to use my tracking payload? What about testing cutdown?
- What is the (current) website address for tracking? <http://153.90.202.26/> (This will change when we change servers)
- How do I import tracking information from previous flights into Google Earth?
- What kind of streaming range can my team expect from the video system?
- What if my team broke/lost an important component of the system?

## Action items

- Send Shane student emails and group photo by 9/23/16
- Send Shane your team website or blog to be added to the eclipse ballooning page
- Telecom 10/6/16, 11 AM Mountain Daylight Time

## Communication

- Points of Contact for eclipse path state hosts can be found from the FAQ page.
- The next group **telecom** will be Thursday October 6<sup>th</sup> at 11 AM Mountain daylight time. At the telecoms, we will spend about 20 minutes on updates then open the floor for questions.
  - Call toll free 855-797-9485
  - Pass code 921-692-445# then # again
- We're putting together a **social media** team. Anyone interested in helping, please contact Shane or Angela.
- There will be eclipse ballooning sessions at the Southeast and Western **Space Grant regional meetings** at the end of September. We invite you to share your progress if you'll be at one of these meetings.
- Facebook page:  
<https://www.facebook.com/EclipseHighAltitudeBallooning/>
- Twitter:  
[https://twitter.com/Eclipse\\_HAB](https://twitter.com/Eclipse_HAB)