2012-2013 Activities

- Robotics workshops
- National Space Grant Meeting
- Robotics Challenge
- BalloonSat
- Astronomical Observing
Workshops

• Western hosted a robotics workshop for the west slope
  – Attended by students from Western, FLC, and Adam’s state
• Two students from Western participated remotely in a Boulder BalloonSat workshop
• Attended the National Space Grant meeting in Washington, D.C.
Western’s Robotics Challenge team was bigger and better than ever and in the news!
Robotics Challenge

...And yet it moves

The robot successfully traversed sand and obstacles*

*In a straight line because they couldn’t get the sensors to work
Robotics Challenge
Western formed an all-female BalloonSat team

“Affect of near-space conditions on e-coli”

Results: no apparent affect on e-coli. Analysis: sample may have been overprotected during flight.
BalloonSat

- Excellent GoPro video
- Need to improve heating and sensor system
- Learned how to change a flat
Astronomy

- Observing light curves of Exoplanets (take 2)
  Installed new telescope and mount in April, began investigating exoplanet light curves with student Derek Brooks
Our data

Good data
Future plans

• Robotics workshop (at Adams?)
• Already recruiting 2015 robotics challenge team – lots of interest
• Continuing astronomical research
  – Building collaboration with ASU and FLC
• BalloonSat team if interest